

Converting Colors

XYZ(77.1830, 81.2887, 88.2963)

Have a look what the booklet for
XYZ(77.1830, 81.2887, 88.2963)
contains.

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Color

**XYZ(77.3087, 81.4277,
87.9864)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E9E8
RGB	233, 233, 232
RGB Percent	91%, 91%, 91%
CMY	0.0863, 0.0863, 0.0902
CMYK	0.00, 0.00, 0.00, 0.09
HSL	60°, 2%, 91%
HSV	60°, 0%, 91%
XYZ	77.3087, 81.4277, 87.9864
YIQ	232.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
R _Y B	232, 233, 232
Decimal	15329768
CIE Lab	92.32, -0.17, 0.47
CIE LCh	92, 0.505, 109.995
Yxy	81.4277, 0.3133, 0.3300
Android (android.graphics.Color)	4293519848 (0xFFE9E9E8)
YUV	232.8860, -0.4368, 0.1000
Hunter-Lab	90.2373, -4.9896, 5.3551

Details

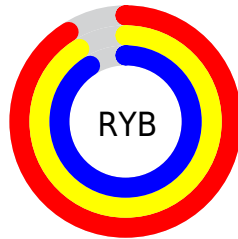
The XYZ color **77.3087, 81.4277, 87.9864** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8464, 80.7544, 88.6319**, and the grayscale version is **77.3714, 81.4007, 88.6454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6901, 43.9260, 47.3556** is the 20% darker color. If you saturate the color by 10%, you get **74.1861, 80.1777, 71.6935**, and if you desaturate by 10%, it is **80.8261, 82.8408, 106.3376**.

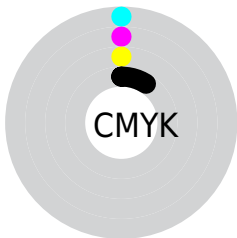
Distribution



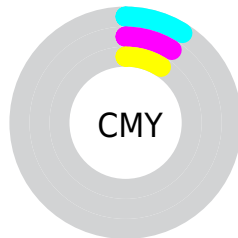
- Red (91%)
- Green (91%)
- Blue (91%)



- Red (91%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3087, 81.4277, 87.9864 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.3087, 81.4277, 87.9864 by changing the saturation by 10% instead.

■ 77.3087, 81.4277,
87.9864

■ 77.3087, 81.4277,
87.9864

474.6917,
499.7314, 541.8588

■ 57.8071, 60.8939,
65.7475

128.5457,
135.3712, 146.4492

■ 41.8962, 44.1396,
47.6123

161.0118,
169.5496, 183.5102

■ 29.2108, 30.7802,
33.1622

198.5300,
209.0451, 226.3490

■ 19.3854, 20.4316,
21.9786

241.4658,
254.2419, 275.3841

■ 12.0548, 12.7091,
13.6430

290.1846,
305.5246, 331.0342

■ 6.8535, 7.2286,
7.7369

345.0515,

■ 3.4161, 3.6055,

363.2775, 393.7176

3.8417

406.4321,
427.8849, 463.8530

■ 1.3775, 1.4554,
1.5389

■ 0.2401, 0.2570,
0.2467

■ 77.3087, 81.4277,
87.9864

■ 77.3087, 81.4277,
87.9864

■ 74.1861, 80.1777,
71.6935

■ 80.8261, 82.8408,
106.3376

■ 71.4830, 79.0929,
57.6198

■ 80.8570, 82.8567,
106.3391

■ 69.1833, 78.1695,
45.6709

■ 80.8879, 82.8726,
106.3405

■ 67.2676, 77.3996,
35.7435

■ 80.9188, 82.8886,
106.3420

65.7146, 76.7749,
27.7260

80.9497, 82.9045,
106.3434

64.5010, 76.2859,
21.4958

80.9806, 82.9204,
106.3449

63.6008, 75.9222,
16.9159

81.0115, 82.9364,
106.3463

62.9844, 75.6721,
13.8299

81.0425, 82.9524,
106.3477

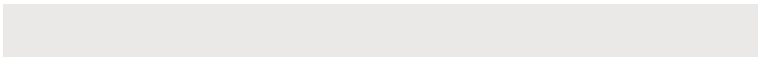
62.6161, 75.5213,
12.0510

81.0735, 82.9683,
106.3492

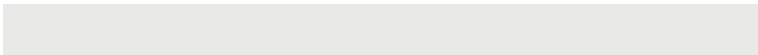
Harmonies

Analogous

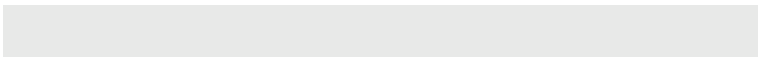
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4382, 81.4277, 87.9541



77.3087, 81.4277, 87.9864



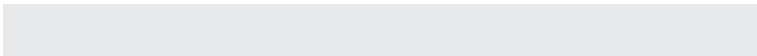
77.2023, 81.4277, 88.1991

Triad

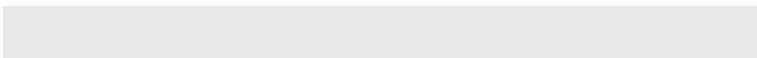
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3087, 81.4277, 87.9864



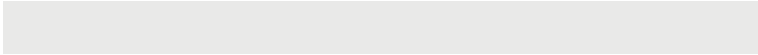
77.2332, 81.4277, 89.2133



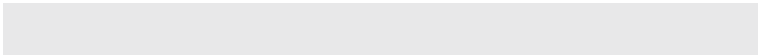
77.6423, 81.4277, 88.7860

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



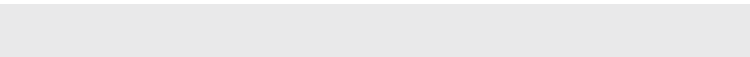
77.3087, 81.4277, 87.9864



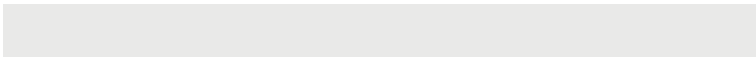
76.8464, 80.7544, 88.6319

Split Complementary

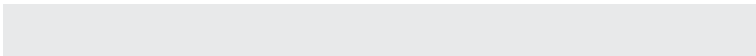
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5872, 81.4277, 89.1243



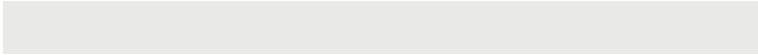
77.3087, 81.4277, 87.9864



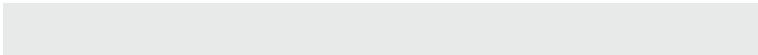
77.3509, 81.4277, 89.3715

Square

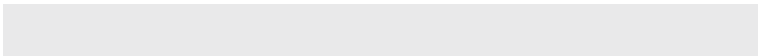
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



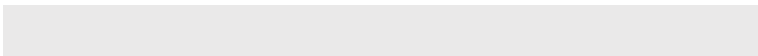
77.3087, 81.4277, 87.9864



77.1587, 81.4277, 88.9072



77.4805, 81.4277, 89.3389



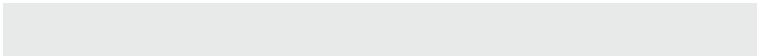
77.6309, 81.4277, 88.4151

Rectangle

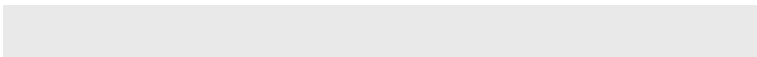
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



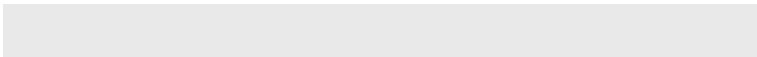
77.3087, 81.4277, 87.9864



77.1587, 81.4277, 88.4150



77.4805, 81.4277, 89.3389



77.6309, 81.4277, 88.9073

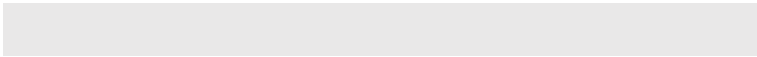
Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.3110, 81.4312, 87.9882

95.0500, 100.0000, 108.9000



77.0289, 80.8650, 87.8938



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

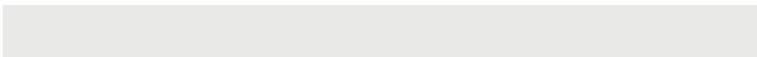
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3110, 81.4312, 87.9882



94.6383, 99.8349, 106.7519



77.1487, 81.3475, 87.9806



16.9319, 17.8589, 19.1165



35.4301, 42.8094, 6.3957



2.7841, 3.3626, 0.5023

Inverse Universe

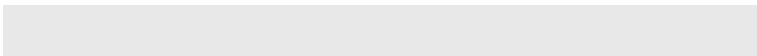
The Inverse Universe completely reimagines the original color for something new.



76.8464, 80.7544, 88.6319



93.3137, 97.9053, 108.5872



77.0083, 80.8378, 88.6395



16.7086, 17.5335, 19.4259



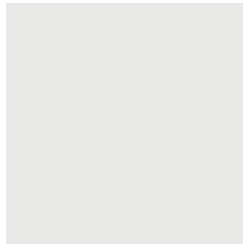
8.3548, 3.3430, 43.9479



0.6580, 0.2635, 3.4511

Previews

White Background



This preview shows how the XYZ color 77.3087, 81.4277, 87.9864 looks on a white background.

Color Contrast Check

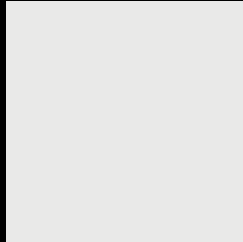
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.3087, 81.4277, 87.9864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

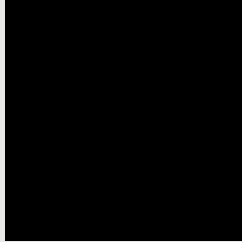
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

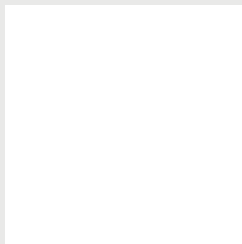
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3087, 81.4277, 87.9864

Background



This preview shows how black text looks on a background with the XYZ color 77.3087, 81.4277, 87.9864.



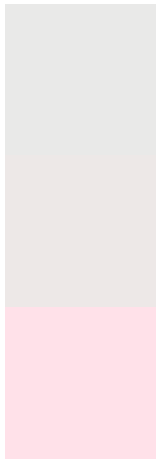
This preview shows how white text looks on a background with the XYZ color 77.3087, 81.4277,

87.9864.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.3087, 81.4277, 87.9864

Protanopia

78.2055, 81.4873, 87.2081

Deuteranopia

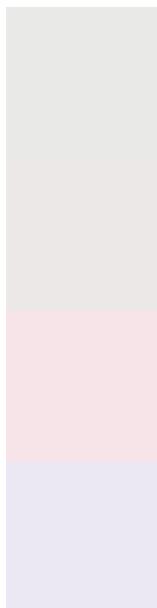
82.8732, 80.9936, 88.3562



Tritanopia

79.9878, 81.2660, 101.0926

Trichromacy



Original Color

77.3087, 81.4277, 87.9864

Protanomaly

77.8725, 81.3156, 87.1925

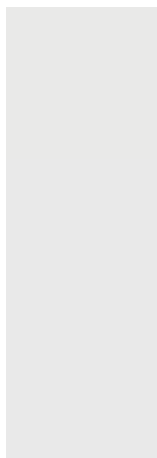
Deuteranomaly

80.8092, 81.1442, 88.4941

Tritanomaly

79.0145, 81.2851, 96.3191

Monochromacy



Original Color

77.3087, 81.4277, 87.9864

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4512, 81.4847, 88.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3087, 81.4277, 87.9864 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(233, 233, 232) looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.3087, 81.4277, 87.9864 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 233, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 233, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
232) }
```


Background

The CSS property to change the background color of an element to XYZ 77.3087, 81.4277, 87.9864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
233, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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