

Converting Colors

XYZ(80.3087, 86.6032, 80.1935)

Have a look what the booklet for XYZ(80.3087, 86.6032, 80.1935) contains.

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Color

**XYZ(80.3087, 86.6032,
80.1935)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F1DC
RGB	240, 241, 220
RGB Percent	94%, 95%, 86%
CMY	0.0588, 0.0549, 0.1372
CMYK	0.00, 0.00, 0.09, 0.05
HSL	63°, 43%, 90%
HSV	63°, 9%, 95%
XYZ	80.3087, 86.6032, 80.1935
YIQ	238.3070, 6.1450, -6.7430

Conversions

Conversions Part 2

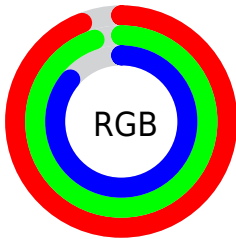
Format	Color
R _Y B	220, 241, 221
Decimal	15790556
CIE Lab	94.57, -3.90, 10.02
CIE LCh	95, 10.754, 111.272
Yxy	86.6032, 0.3250, 0.3505
Android (android.graphics.Color)	4293980636 (0xFFFF0F1DC)
YUV	238.3070, -9.0254, 1.4848
Hunter-Lab	93.0608, -8.8164, 14.0505

Details

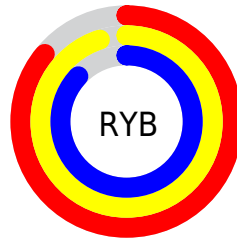
The XYZ color **80.3087, 86.6032, 80.1935** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.2927, 72.9118, 93.5397**, and the grayscale version is **81.5723, 85.8204, 93.4584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9077, 47.6049, 42.4718** is the 20% darker color. If you saturate the color by 10%, you get **76.9548, 85.2194, 64.5586**, and if you desaturate by 10%, it is **84.1301, 88.1799, 98.2558**.

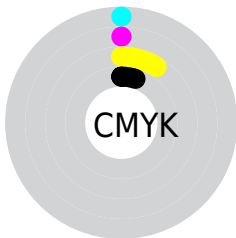
Distribution



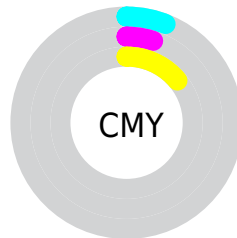
- Red (94%)
- Green (95%)
- Blue (86%)



- Red (86%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3087, 86.6032, 80.1935 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 80.3087, 86.6032, 80.1935 by changing the saturation by 10% instead.

80.3087, 86.6032,
80.1935

80.3087, 86.6032,
80.1935

484.6933,
516.9181, 515.3087

60.2818, 65.1669,
59.3505

132.7479,
142.6109, 135.4516

43.8961, 47.5964,
42.4735

165.8909,
177.9512, 170.7038

30.7864, 33.5074,
29.1439

204.1366,
218.6948, 211.5961

20.5873, 22.5154,
18.9432

247.8503,
265.2262, 258.5471

12.9334, 14.2361,
11.4528

297.3975,
317.9299, 311.9753

7.4594, 8.2851,
6.2543

353.1435,

3.7999, 4.2779,

377.1902, 372.2993

2.9290

415.4536,
443.3914, 439.9375

■ 1.5896, 1.8302,
1.0585

■ 0.3856, 0.5059,
0.0000

■ 80.3087, 86.6032,
80.1935

■ 80.3087, 86.6032,
80.1935

■ 76.9548, 85.2194,
64.5586

■ 84.1301, 88.1799,
98.2558

■ 74.0417, 84.0093,
51.2424


■ 86.2307, 89.0658,
107.2543


■ 71.5507, 82.9684,
40.1360


■ 86.6284, 89.2709,
107.2729


■ 69.4590, 82.0875,
31.1198


■ 87.0287, 89.4773,
107.2917

 67.7419, 81.3567,
24.0628


 87.4315, 89.6849,
107.3105


 66.3716, 80.7649,
18.8193


 87.8368, 89.8939,
107.3295


 65.3165, 80.2996,
15.2233

 88.2447, 90.1041,
107.3486

 64.5395, 79.9457,
13.0784

 88.6550, 90.3156,
107.3678

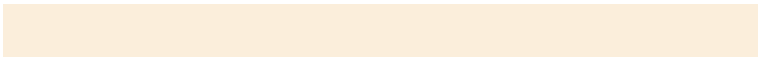
 63.9858, 79.6814,
12.0965

 89.0679, 90.5285,
107.3871

Harmonies

Analogous

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



83.1621, 86.6032, 79.3861



80.3087, 86.6032, 80.1935



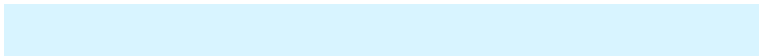
78.0429, 86.6032, 84.6608

Triad

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



80.3087, 86.6032, 80.1935



78.8767, 86.6032, 107.3013



87.9450, 86.6032, 96.7384

Complementary

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



80.3087, 86.6032, 80.1935



71.2927, 72.9118, 93.5397

Split Complementary

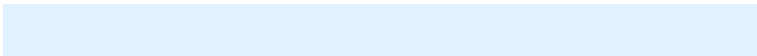
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7376, 86.6032, 104.6362



80.3087, 86.6032, 80.1935



81.4711, 86.6032, 110.9651

Square

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



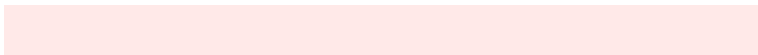
80.3087, 86.6032, 80.1935



77.2297, 86.6032, 100.2050



84.3519, 86.6032, 109.9622



87.6161, 86.6032, 88.6243

Rectangle

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



80.3087, 86.6032, 80.1935



77.1487, 86.6032, 89.2648



84.3519, 86.6032, 109.9622



87.7044, 86.6032, 99.5131

Sweetspot

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



80.3111, 86.6070, 80.1954



93.7080, 99.4477, 102.5355



74.9740, 75.4249, 78.3183



19.9824, 21.2550, 21.5920



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.3111, 86.6070, 80.1954



90.7653, 98.2344, 88.6726



76.9458, 84.8721, 80.0379



17.0438, 18.4183, 16.8065



34.6950, 43.2075, 6.5113



2.9092, 3.6062, 0.5427

Inverse Universe

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



71.2927, 72.9118, 93.5397



79.0726, 80.4781, 105.9740



74.4927, 74.5615, 93.6894



14.9672, 15.2648, 19.8792



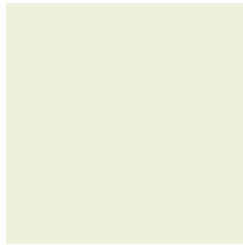
8.7198, 3.5006, 45.3440



0.7499, 0.3038, 3.7733

Previews

White Background



This preview shows how the XYZ color 80.3087, 86.6032, 80.1935 looks on a white background.

Color Contrast Check

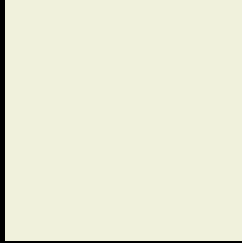
Large Text (above 18pt) WCAG AA × Fail

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 80.3087, 86.6032, 80.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

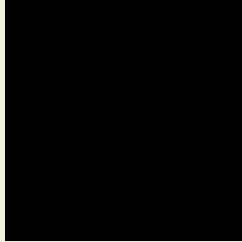
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

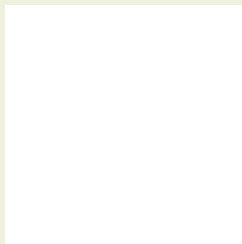
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3087, 86.6032, 80.1935

Background



This preview shows how black text looks on a background with the XYZ color 80.3087, 86.6032, 80.1935.

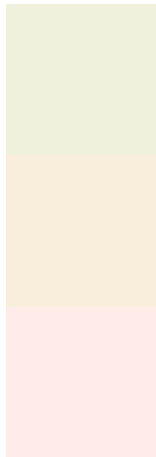


This preview shows how white text looks on a background with the XYZ color 80.3087, 86.6032,

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

80.3087, 86.6032, 80.1935

Protanopia

82.0721, 86.2200, 79.3343

Deuteranopia

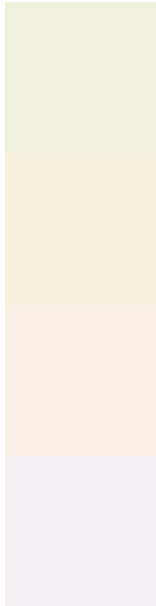
85.3721, 86.4462, 87.7875



Tritanopia

85.7016, 86.6234, 106.8108

Trichromacy



Original Color

80.3087, 86.6032, 80.1935

Protanomaly

81.3089, 86.2600, 79.3822

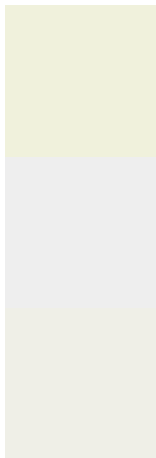
Deuteranomaly

83.5737, 86.4384, 84.9525

Tritanomaly

83.5637, 86.6146, 96.3184

Monochromacy



Original Color

80.3087, 86.6032, 80.1935

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8869, 85.8532, 87.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3087, 86.6032, 80.1935 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(240, 241, 220) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 220)  
}
```

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(240, 241, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 220) }
```

Border

The CSS property to change the border of an element to XYZ 80.3087, 86.6032, 80.1935 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(240, 241, 220) }
```


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

```
.border{ border-color:rgb(240, 241, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 220);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3087, 86.6032, 80.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 220) }
```

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

```
.background{ background-color: rgb(240,  
241, 220) }
```

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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