

Converting Colors

XYZ(77.1689, 80.9201, 88.6427)

Have a look what the booklet for
XYZ(77.1689, 80.9201, 88.6427)
contains.

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Color

**XYZ(77.1689, 80.9201,
88.6427)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E8E9
RGB	233, 232, 233
RGB Percent	91%, 91%, 91%
CMY	0.0863, 0.0902, 0.0863
CMYK	0.00, 0.00, 0.00, 0.09
HSL	300°, 2%, 91%
HSV	300°, 0%, 91%
XYZ	77.1689, 80.9201, 88.6427
YIQ	232.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
R _{YB}	233, 232, 233
Decimal	15329513
CIE Lab	92.10, 0.52, -0.38
CIE LCh	92, 0.640, 324.015
Yxy	80.9201, 0.3128, 0.3280
Android (android.graphics.Color)	4293519593 (0xFFE9E8E9)
YUV	232.4130, 0.2894, 0.5148
Hunter-Lab	89.9556, -4.2951, 4.5443

Details

The XYZ color **77.1689, 80.9201, 88.6427** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.9862, 81.2620, 87.9756**, and the grayscale version is **77.0109, 81.0215, 88.2324**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5926, 43.5721, 47.8131** is the 20% darker color. If you saturate the color by 10%, you get **71.0410, 68.6636, 86.6011**, and if you desaturate by 10%, it is **84.0733, 94.7273, 90.9451**.

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 77.1689, 80.9201, 88.6427 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 77.1689, 80.9201, 88.6427 by changing the saturation by 10% instead.

■ 77.1689, 80.9201,
88.6427

■ 77.1689, 80.9201,
88.6427

474.2228,
498.0282, 544.0614

■ 57.6919, 60.4758,
66.2881

128.3495,
134.6586, 147.3706

■ 41.8033, 43.8023,
48.0484

160.7837,
168.7215, 184.5810

■ 29.1377, 30.5151,
33.5049

198.2678,
208.0928, 227.5804

■ 19.3299, 20.2299,
22.2393

241.1671,
253.1569, 276.7873

■ 12.0143, 12.5623,
13.8328

289.8468,
304.2980, 332.6204

■ 6.8257, 7.1278,
7.8671

344.6725,

■ 3.3987, 3.5422,

361.9007, 395.4980

3.9234

406.0094,
426.3493, 465.8389

■ 1.3679, 1.4209,
1.5834

■ 0.2332, 0.2321,
0.2790

■ 77.1689, 80.9201,
88.6427

■ 77.1689, 80.9201,
88.6427

■ 71.0410, 68.6636,
86.6011

■ 84.0733, 94.7273,
90.9451

■ 65.7463, 58.0746,
84.8363

■ 84.0736, 94.7275,
90.9451

■ 61.2509, 49.0844,
83.3380

■ 84.0739, 94.7277,
90.9451

■ 57.5162, 41.6154,
82.0931

■ 84.0742, 94.7278,
90.9451

■ 54.4999, 35.5833,
81.0878

■ 84.0745, 94.7280,
90.9451

■ 52.1561, 30.8960,
80.3066

■ 84.0748, 94.7281,
90.9452

■ 50.4331, 27.4506,
79.7324

■ 84.0752, 94.7283,
90.9452

■ 49.2722, 25.1291,
79.3455

■ 84.0755, 94.7285,
90.9452

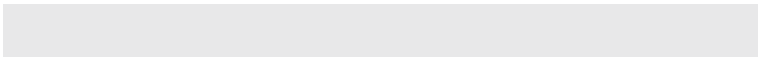
■ 48.6030, 23.7913,
79.1225

■ 84.0758, 94.7286,
90.9452

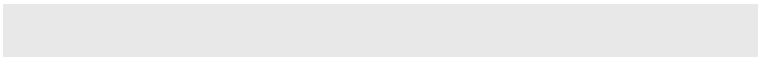
Harmonies

Analogous

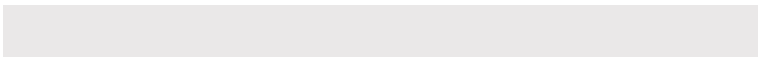
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0412, 80.9201, 88.9400



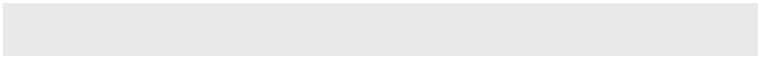
77.1689, 80.9201, 88.6427



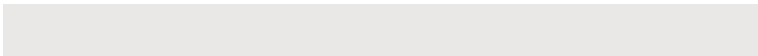
77.2278, 80.9201, 88.2029

Triad

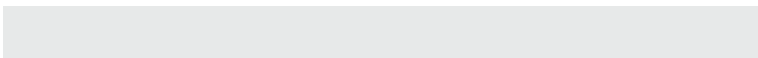
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1689, 80.9201, 88.6427



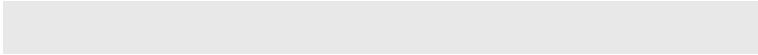
76.9452, 80.9201, 87.2085



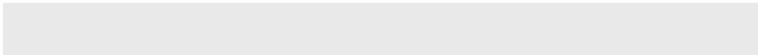
76.6230, 80.9201, 88.4782

Complementary

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



77.1689, 80.9201, 88.6427



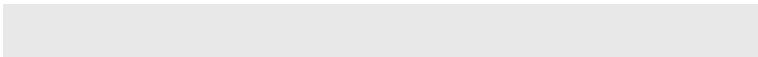
76.9862, 81.2620, 87.9756

Split Complementary

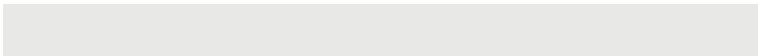
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5973, 80.9201, 88.0136



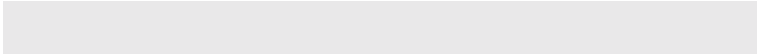
77.1689, 80.9201, 88.6427



76.7832, 80.9201, 87.2816

Square

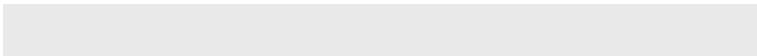
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



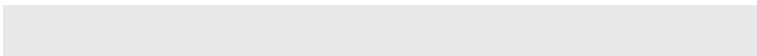
77.1689, 80.9201, 88.6427



77.0985, 80.9201, 87.3757



76.6559, 80.9201, 87.5759



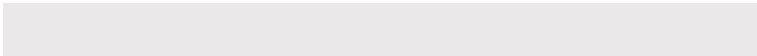
76.7260, 80.9201, 88.8448

Rectangle

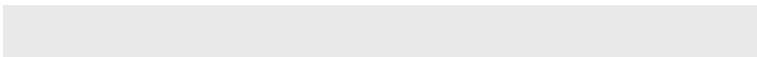
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



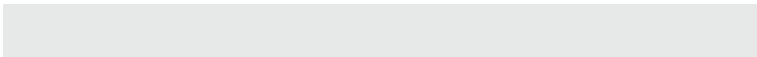
77.1689, 80.9201, 88.6427



77.2201, 80.9201, 87.8886



76.6559, 80.9201, 87.5759



76.6050, 80.9201, 88.3283

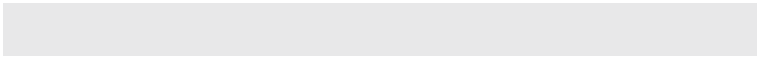
Sweetspot

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



77.1712, 80.9236, 88.6445

95.0500, 100.0000, 108.9000



76.8516, 80.7658, 88.6308



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

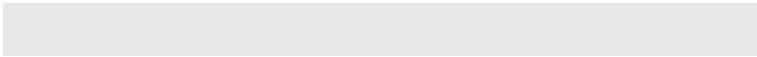
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1712, 80.9236, 88.6445



94.2419, 98.3838, 108.6306



77.1025, 80.8961, 88.2827



16.8651, 17.6142, 19.4333



27.4117, 13.1672, 44.8397



2.1525, 1.0339, 3.5210

Inverse Universe

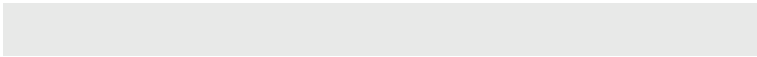
The Inverse Universe completely reimagines the original color for something new.



77.0293, 80.8668, 87.8971



93.8340, 98.2206, 106.4828



77.0547, 81.2894, 88.3363



16.7963, 17.5867, 19.0711



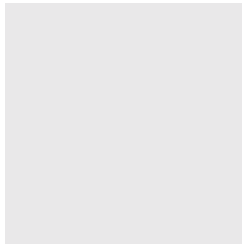
19.0678, 9.8298, 0.8926



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 77.1689, 80.9201, 88.6427 looks on a white background.

Color Contrast Check

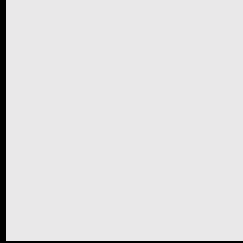
Large Text (above 18pt) WCAG AA × Fail

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 77.1689, 80.9201, 88.6427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

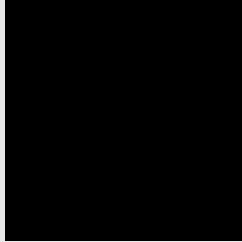
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

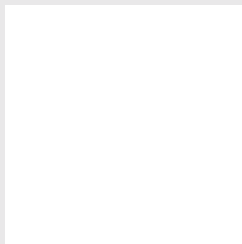
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1689, 80.9201, 88.6427

Background



This preview shows how black text looks on a background with the XYZ color 77.1689, 80.9201, 88.6427.



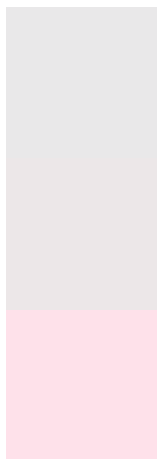
This preview shows how white text looks on a background with the XYZ color 77.1689, 80.9201,

88.6427.

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

77.1689, 80.9201, 88.6427

Protanopia

77.7335, 80.8109, 87.8450

Deuteranopia

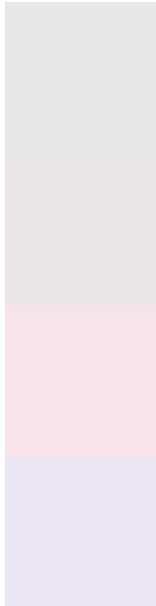
82.6495, 80.8618, 89.0937



Tritanopia

79.5010, 81.0331, 100.2577

Trichromacy



Original Color

77.1689, 80.9201, 88.6427

Protanomaly

77.4024, 80.6402, 87.8295

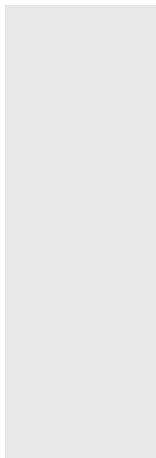
Deuteranomaly

80.6007, 81.0201, 89.2322

Tritanomaly

78.6853, 81.1153, 96.3037

Monochromacy



Original Color

77.1689, 80.9201, 88.6427

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7008, 80.6952, 87.8771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1689, 80.9201, 88.6427 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, 232, 233) looks like.

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

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, 232, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.1689, 80.9201, 88.6427 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, 232, 233) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 77.1689, 80.9201, 88.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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