

Converting Colors

XYZ(77.8916, 82.1070, 88.0892)

Have a look what the booklet for
XYZ(77.8916, 82.1070, 88.0892)
contains.

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Color

**XYZ(77.9200, 82.1643,
88.0964)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | EAEAE8 |
| RGB | 234, 234, 232 |
| RGB Percent | 92%, 92%, 91% |
| CMY | 0.0823, 0.0823, 0.0902 |
| CMYK | 0.00, 0.00, 0.01, 0.08 |
| HSL | 60°, 5%, 91% |
| HSV | 60°, 1%, 92% |
| XYZ | 77.9200, 82.1643, 88.0964 |
| YIQ | 233.7720, 0.6420, -0.6220 |

Conversions

Conversions Part 2

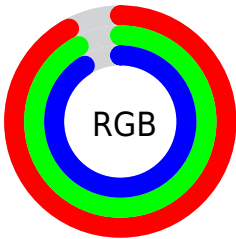
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 232, 234, 232 |
| Decimal | 15395560 |
| CIE Lab | 92.65, -0.35, 0.96 |
| CIE LCh | 93, 1.020, 110.028 |
| Yxy | 82.1643, 0.3140, 0.3311 |
| Android (android.graphics.Color) | 4293585640 (0xFFEAEAE8) |
| YUV | 233.7720, -0.8736, 0.2000 |
| Hunter-Lab | 90.6445, -5.1854, 5.8279 |

Details

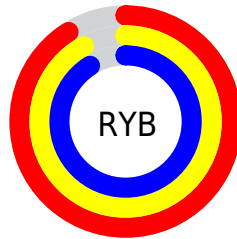
The XYZ color **77.9200, 82.1643, 88.0964** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.9898, 80.8118, 89.3866**, and the grayscale version is **78.0424, 82.1067, 89.4142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1170, 44.4404, 47.4323** is the 20% darker color. If you saturate the color by 10%, you get **74.7996, 80.9169, 71.7391**, and if you desaturate by 10%, it is **81.4229, 83.5699, 106.4469**.

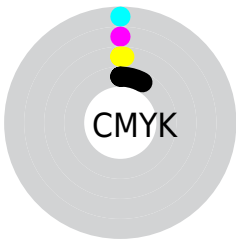
Distribution



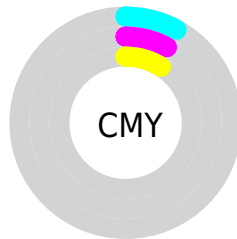
- Red (92%)
- Green (92%)
- Blue (91%)



- Red (91%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9200, 82.1643, 88.0964 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 77.9200, 82.1643, 88.0964 by changing the saturation by 10% instead.

■ 77.9200, 82.1643,
88.0964

■ 77.9200, 82.1643,
88.0964

476.7391,
502.1971, 542.2284

■ 58.3108, 61.5010,
65.8381

129.4033,
136.4044, 146.6037

■ 42.3028, 44.6296,
47.6853

162.0081,
170.7499, 183.6898

■ 29.5306, 31.1658,
33.2196

199.6756,
210.4250, 226.5555

■ 19.6289, 20.7251,
22.0222

242.7709,
255.8140, 275.6195

■ 12.2323, 12.9232,
13.6747

291.6596,
307.3013, 331.3002

■ 6.9754, 7.3757,
7.7586

346.7070,

■ 3.4929, 3.6981,

365.2713, 394.0162

3.8553

408.2783,
430.1085, 464.1861

■ 1.4195, 1.5062,
1.5463

■ 0.2700, 0.2931,
0.2521

■ 77.9200, 82.1643,
88.0964

■ 77.9200, 82.1643,
88.0964

■ 74.7996, 80.9169,
71.7391

■ 81.4229, 83.5699,
106.4469

■ 72.1022, 79.8360,
57.6197

■ 81.4392, 83.5783,
106.4477

■ 69.8116, 78.9179,
45.6425

■ 81.4555, 83.5867,
106.4484

■ 67.9079, 78.1546,
35.7028

■ 81.4718, 83.5951,
106.4492

66.3697, 77.5374,
27.6875

81.4881, 83.6035,
106.4500

65.1732, 77.0569,
21.4719

81.5044, 83.6120,
106.4507

64.2922, 76.7026,
16.9171

81.5207, 83.6204,
106.4515

63.6962, 76.4624,
13.8638

81.5370, 83.6288,
106.4522

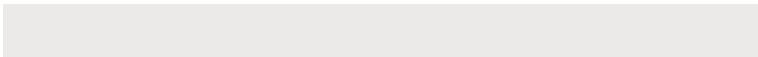
63.3493, 76.3217,
12.1216

81.5533, 83.6372,
106.4530

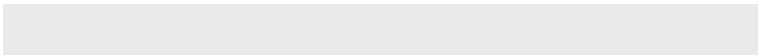
Harmonies

Analogous

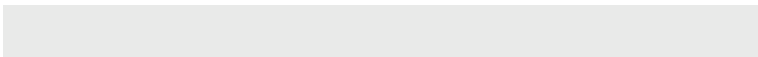
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1831, 82.1643, 88.0308



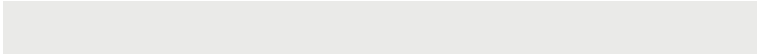
77.9200, 82.1643, 88.0964



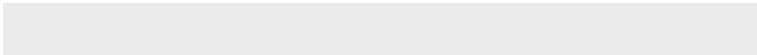
77.7041, 82.1643, 88.5270

Triad

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



77.9200, 82.1643, 88.0964



77.7672, 82.1643, 90.5881



78.5986, 82.1643, 89.7164

Complementary

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



77.9200, 82.1643, 88.0964



76.9898, 80.8118, 89.3866

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.



78.4866, 82.1643, 90.4054



77.9200, 82.1643, 88.0964



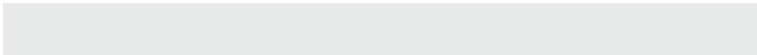
78.0063, 82.1643, 90.9106

Square

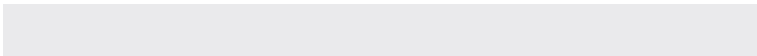
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



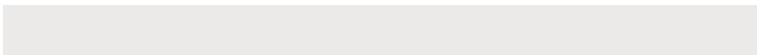
77.9200, 82.1643, 88.0964



77.6161, 82.1643, 89.9646



78.2697, 82.1643, 90.8436



78.5753, 82.1643, 88.9632

Rectangle

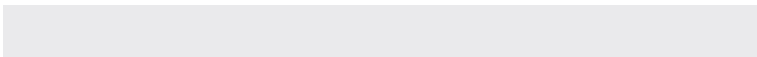
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9200, 82.1643, 88.0964



77.6159, 82.1643, 88.9645



78.2697, 82.1643, 90.8436



78.5755, 82.1643, 89.9632

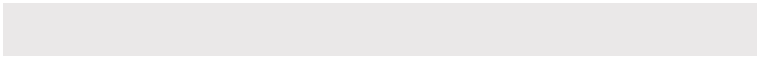
Sweetspot

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



77.9223, 82.1678, 88.0982

95.0500, 100.0000, 108.9000



77.3564, 81.0338, 87.9091



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.



77.9223, 82.1678, 88.0982



94.6401, 99.8358, 106.7520



77.5956, 81.9994, 88.0829



16.9322, 17.8591, 19.1165



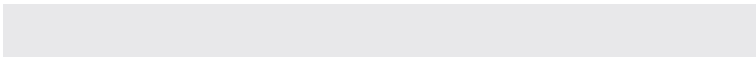
35.5119, 42.8515, 6.3995



2.7896, 3.3654, 0.5026

Inverse Universe

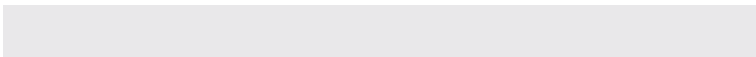
The Inverse Universe completely reimagines the original color for something new.



76.9898, 80.8118, 89.3866



93.3119, 97.9044, 108.5871



77.3146, 80.9792, 89.4018



16.7083, 17.5334, 19.4259



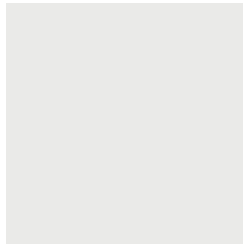
8.3504, 3.3407, 43.9477



0.6568, 0.2629, 3.4510

Previews

White Background



This preview shows how the XYZ color 77.9200, 82.1643, 88.0964 looks on a white background.

Color Contrast Check

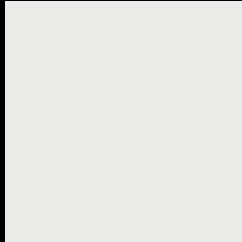
Large Text (above 18pt) WCAG AA × Fail

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 77.9200, 82.1643, 88.0964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

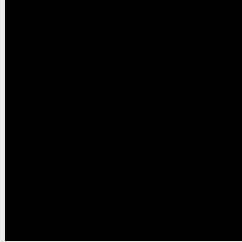
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

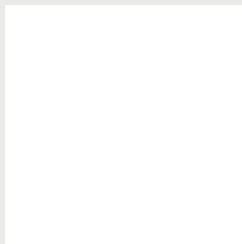
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9200, 82.1643, 88.0964

Background



This preview shows how black text looks on a background with the XYZ color 77.9200, 82.1643, 88.0964.



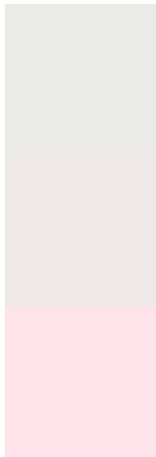
This preview shows how white text looks on a background with the XYZ color 77.9200, 82.1643,

88.0964.

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

77.9200, 82.1643, 88.0964

Protanopia

78.8226, 82.2245, 87.3178

Deuteranopia

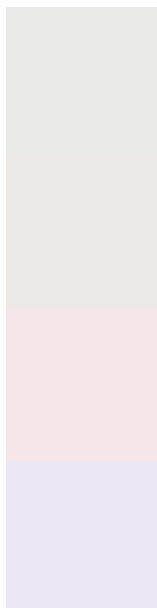
83.5604, 82.1387, 89.2921



Tritanopia

80.7563, 82.0585, 102.0250

Trichromacy



Original Color

77.9200, 82.1643, 88.0964

Protanomaly

78.4878, 82.0519, 87.3022

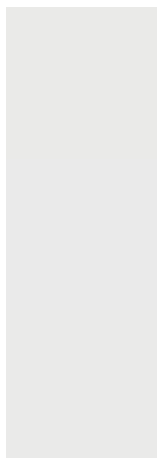
Deuteranomaly

81.3626, 82.2510, 88.6786

Tritanomaly

79.6263, 82.0172, 96.4282

Monochromacy



Original Color

77.9200, 82.1643, 88.0964

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0625, 82.2213, 88.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9200, 82.1643, 88.0964 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(234, 234, 232) looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 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(234, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.9200, 82.1643, 88.0964 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(234, 234, 232) }
```

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

```
.border{ border-color:rgb(234, 234, 232) }
```

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

Here you see how a box with a 4 pixel rgb(234, 234, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
232) }
```


Background

The CSS property to change the background color of an element to XYZ 77.9200, 82.1643, 88.0964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 232) }
```

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

```
.background{ background-color: rgb(234,  
234, 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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