

Converting Colors

XYZ(45.0102, 31.9810, 20.0490)

Have a look what the booklet for
XYZ(45.0102, 31.9810, 20.0490)
contains.

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Color

**XYZ(44.8218, 31.8500,
20.0049)**

Conversions

Conversions Part 1	
Format	Color
Hex	EF7373
RGB	239, 115, 115
RGB Percent	94%, 45%, 45%
CMY	0.0627, 0.5490, 0.5490
CMYK	0.00, 0.52, 0.52, 0.06
HSL	0°, 79%, 69%
HSV	0°, 52%, 94%
XYZ	44.8218, 31.8500, 20.0049
YIQ	152.0760, 73.9040, 26.2880

Conversions

Conversions Part 2

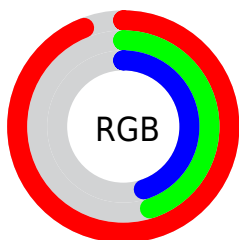
Format	Color
RYB	239, 115, 115
Decimal	15692659
CIELab	63.22, 47.72, 22.89
CIELCh	63, 52.926, 25.620
Yxy	31.8500, 0.4636, 0.3294
Android (android.graphics.Color)	4293882739 (0xFFEF7373)
YUV	152.0760, -18.2785, 76.2323
Hunter-Lab	56.4358, 43.0036, 18.4884

Details

The XYZ color **44.8218, 31.8500, 20.0049** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.5145, 71.6054, 92.6616**, and the grayscale version is **29.9329, 31.4918, 34.2945**.

A 20% lighter version of the original color is **62.5898, 52.7995, 43.4517**, and **21.0958, 13.3155, 6.7685** is the 20% darker color. If you saturate the color by 10%, you get **41.2395, 26.6086, 12.8827**, and if you desaturate by 10%, it is **49.4684, 38.6499, 29.2410**.

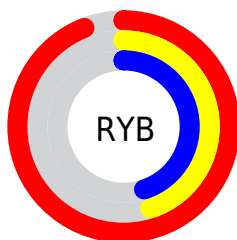
Distribution



Red (94%)

Green (45%)

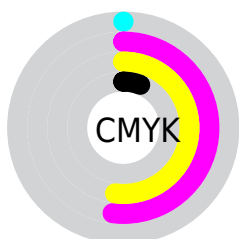
Blue (45%)



Red (94%)

Yellow (45%)

Blue (45%)

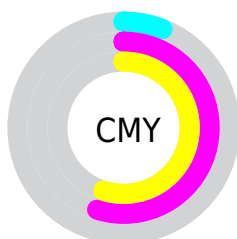


Cyan (0%)

Magenta (52%)

Yellow (52%)

Black (6%)



Cyan (6%)


Magenta (55%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8218, 31.8500, 20.0049 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 44.8218, 31.8500, 20.0049 by changing the saturation by 10% instead.


 44.8218, 31.8500,
20.0049


 44.8218, 31.8500,
20.0049

356.8472,
310.4354, 264.5468

 31.5178, 21.2470,
12.2145


 81.6917, 62.5759,
44.2845

 21.1472, 13.3046,
6.7656


 105.9882, 83.4675,
61.6107

 13.3447, 7.6387,
3.2397


 134.6796,
108.5574, 82.9527

 7.7450, 3.8646,
1.2183

168.1312,
138.2300, 108.7289

 3.9826, 1.5981,
0.0000

206.7085,
172.8697, 139.3578

 1.6923, 0.3563,
0.0000

250.7766,


 0.4514, 0.0000,


212.8609, 175.2581


0.0000


300.7011,
258.5880, 216.8482


 0.0000, 0.0000,
0.0000


 44.8218, 31.8500,
20.0049


 44.8218, 31.8500,
20.0049


 41.2395, 26.6086,
12.8827


 49.4684, 38.6499,
29.2410


 38.6353, 22.7977,
7.7059


 55.2520, 47.1130,
40.7384


 36.9133, 20.2778,
4.2830


 62.2415, 57.3407,
54.6332

 35.9573, 18.8789,
2.3830

 70.4998, 69.4248,
71.0504

 35.5966, 18.3509,
1.6659

 80.0853, 83.4511,
90.1061

 89.4064, 97.0906,
108.6359

Harmonies

Analogous

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



46.5890, 31.8500, 37.8502



44.8218, 31.8500, 20.0049



38.9373, 31.8500, 10.9135

Triad

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



44.8218, 31.8500, 20.0049



20.0776, 31.8500, 16.5323



29.2101, 31.8500, 92.4072

Complementary

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



44.8218, 31.8500, 20.0049



53.5145, 71.6054, 92.6616

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.



22.9990, 31.8500, 79.7263



44.8218, 31.8500, 20.0049



18.2943, 31.8500, 31.6905

Square

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



44.8218, 31.8500, 20.0049



24.5845, 31.8500, 9.5501



19.2710, 31.8500, 55.1952



36.7763, 31.8500, 85.2107

Rectangle

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



44.8218, 31.8500, 20.0049



33.9048, 31.8500, 8.4520



19.2710, 31.8500, 55.1952



26.9093, 31.8500, 90.2233

Sweetspot

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



44.8226, 31.8517, 20.0055



77.5010, 74.3209, 74.0130



57.3071, 36.8442, 85.7521



16.1669, 15.2909, 15.0038



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.



44.8226, 31.8517, 20.0055



47.6593, 30.6538, 14.6897



54.4131, 51.0328, 23.2023



15.7729, 15.7590, 16.3602



19.6716, 10.1412, 0.9206



1.6365, 0.8437, 0.0766

Inverse Universe

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



53.5145, 71.6054, 92.6616



58.7263, 81.2702, 107.1993



38.3724, 41.3212, 87.6143



16.2474, 17.9288, 20.3259



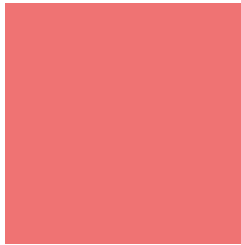
25.6652, 37.5547, 51.0239



2.1351, 3.1242, 4.2447

Previews

White Background



This preview shows how the XYZ color 44.8218, 31.8500, 20.0049 looks on a white background.

Color Contrast Check

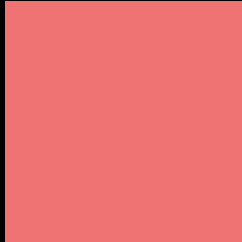
Large Text (above 18pt) WCAG AA × Fail

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 44.8218, 31.8500, 20.0049 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 44.8218, 31.8500, 20.0049

Background



This preview shows how black text looks on a background with the XYZ color 44.8218, 31.8500, 20.0049.



This preview shows how white text looks on a background with the XYZ color 44.8218, 31.8500,

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

44.8218, 31.8500, 20.0049

Protanopia

30.3228, 32.0530, 26.7790

Deuteranopia

32.5396, 31.9383, 19.2015



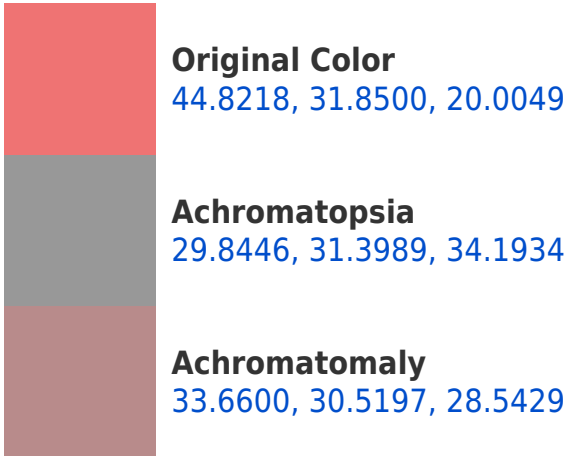
Tritanopia

45.1268, 31.7905, 22.1701

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8218, 31.8500, 20.0049 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(239, 115, 115) looks like.

```
.text, #text, p{  
    color:rgb(239, 115, 115)  
}
```

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(239, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 115, 115) }
```

Border

The CSS property to change the border of an element to XYZ 44.8218, 31.8500, 20.0049 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(239, 115, 115) }
```


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

```
.border{ border-color:rgb(239, 115, 115) }
```

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

Here you see how a box with a 4 pixel rgb(239, 115, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(239, 115,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8218, 31.8500, 20.0049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 115, 115) }
```

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

```
.background{ background-color: rgb(239,  
115, 115) }
```

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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