

Converting Colors

XYZ(48.4233, 35.5581, 20.8749)

Have a look what the booklet for
XYZ(48.4233, 35.5581, 20.8749)
contains.

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Color

**XYZ(48.4920, 35.5210,
20.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	F67D74
RGB	246, 125, 116
RGB Percent	96%, 49%, 45%
CMY	0.0353, 0.5098, 0.5451
CMYK	0.00, 0.49, 0.53, 0.04
HSL	4°, 88%, 71%
HSV	4°, 53%, 96%
XYZ	48.4920, 35.5210, 20.8234
YIQ	160.1530, 75.0050, 22.8530

Conversions

Conversions Part 2

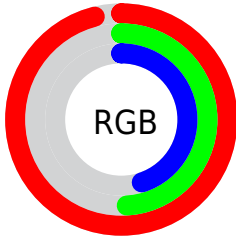
Format	Color
R _Y B	246, 126, 116
Decimal	16153972
CIE Lab	66.15, 45.42, 26.41
CIE LCh	66, 52.545, 30.178
Yxy	35.5210, 0.4625, 0.3388
Android (android.graphics.Color)	4294344052 (0xFFFF67D74)
YUV	160.1530, -21.7674, 75.2878
Hunter-Lab	59.5995, 40.9340, 21.0044

Details

The XYZ color **48.4920, 35.5210, 20.8234** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.1192, 70.9311, 98.0271**, and the grayscale version is **33.5583, 35.3059, 38.4481**.

A 20% lighter version of the original color is **64.6291, 56.7297, 44.5894**, and **23.3683, 15.3664, 7.2032** is the 20% darker color. If you saturate the color by 10%, you get **44.6739, 29.8798, 13.4013**, and if you desaturate by 10%, it is **53.3587, 42.6534, 30.4645**.

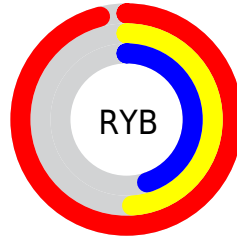
Distribution



Red (96%)

Green (49%)

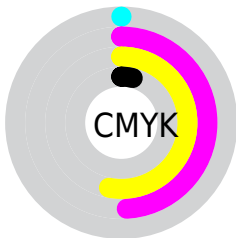
Blue (45%)



Red (96%)

Yellow (49%)

Blue (45%)

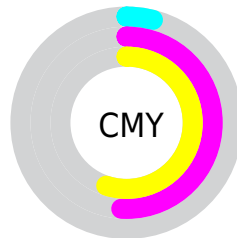


Cyan (0%)

Magenta (49%)

Yellow (53%)

Black (4%)



Cyan (4%)


Magenta (51%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4920, 35.5210, 20.8234 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 48.4920, 35.5210, 20.8234 by changing the saturation by 10% instead.


 48.4920, 35.5210,
20.8234


 48.4920, 35.5210,
20.8234

371.2892,
326.8621, 269.0886

 34.4295, 24.0645,
12.8050


 87.1418, 68.2921,
45.6704

 23.3882, 15.3815,
7.1653


 112.4598, 90.3755,
63.3361

 15.0027, 9.0875,
3.4857


 142.2604,
116.7699, 85.0546

 8.9076, 4.7983,
1.3476

176.9089,
147.8598, 111.2445

 4.7376, 2.1294,
0.1004

216.7707,
184.0296, 142.3243

 2.1273, 0.6811,
0.0000

262.2111,

 0.7040, 0.0000,

225.6636, 178.7126

0.0000

313.5955,
273.1463, 220.8278

■ 0.0000, 0.0000,
0.0000

■ 48.4920, 35.5210,
20.8234

■ 48.4920, 35.5210,
20.8234

■ 44.6739, 29.8798,
13.4013

■ 53.3587, 42.6534,
30.4645

■ 41.8246, 25.6188,
8.0195

■ 59.3406, 51.3665,
42.4804

■ 39.8572, 22.6209,
4.4750

■ 66.5022, 61.7494,
57.0149

■ 38.6675, 20.7466,
2.5218

■ 74.9020, 73.8829,
74.2001

■ 38.2070, 19.9950,
1.8457

■ 84.5948, 87.8425,
94.1586

91.8159, 98.3327,
108.7486

Harmonies

Analogous

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



51.1314, 35.5210, 38.5430



48.4920, 35.5210, 20.8234



41.8011, 35.5210, 12.0626

Triad

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



48.4920, 35.5210, 20.8234



22.3292, 35.5210, 20.9767



33.8083, 35.5210, 99.6610

Complementary

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



48.4920, 35.5210, 20.8234



54.1192, 70.9311, 98.0271

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.



26.8253, 35.5210, 89.3270



48.4920, 35.5210, 20.8234



20.8522, 35.5210, 38.8099

Square

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



48.4920, 35.5210, 20.8234



26.7562, 35.5210, 12.1240



22.3645, 35.5210, 64.5989



41.8942, 35.5210, 89.0941

Rectangle

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



48.4920, 35.5210, 20.8234



36.3910, 35.5210, 9.8782



22.3645, 35.5210, 64.5989



31.2621, 35.5210, 98.4802

Sweetspot

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



48.4929, 35.5229, 20.8240



78.2229, 75.7648, 74.2536



59.5861, 38.2176, 84.6122



16.3359, 15.6290, 15.0602



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.



48.4929, 35.5229, 20.8240



48.3768, 32.2757, 14.3523



59.4997, 57.5364, 24.4930



16.5913, 16.6667, 17.1401



20.4288, 10.7431, 0.9969



1.8271, 1.0074, 0.0981

Inverse Universe

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



54.1192, 70.9311, 98.0271



55.0136, 74.2412, 106.0382



38.6532, 39.9991, 92.8717



16.8927, 18.5496, 21.2327



23.8710, 33.5358, 51.7530



2.1270, 3.0054, 4.5582

Previews

White Background



This preview shows how the XYZ color 48.4920, 35.5210, 20.8234 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 48.4920, 35.5210, 20.8234 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 48.4920, 35.5210, 20.8234

Background



This preview shows how black text looks on a background with the XYZ color 48.4920, 35.5210, 20.8234.



This preview shows how white text looks on a background with the XYZ color 48.4920, 35.5210,

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

48.4920, 35.5210, 20.8234

Protanopia

33.7043, 35.8136, 26.9661

Deuteranopia

36.4172, 35.5964, 19.9903



Tritanopia

49.5375, 35.5788, 25.7292

Trichromacy



Original Color

48.4920, 35.5210, 20.8234

Protanomaly

37.6445, 34.6919, 24.4508

Deuteranomaly

39.9545, 34.8342, 20.2406

Tritanomaly

49.3313, 35.6958, 24.0286

Monochromacy



Original Color

48.4920, 35.5210, 20.8234

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.9536, 33.9574, 30.9923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4920, 35.5210, 20.8234 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(246, 125, 116)` looks like.

```
.text, #text, p{  
    color:rgb(246, 125, 116)  
}
```

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(246, 125, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 125, 116) }
```

Border

The CSS property to change the border of an element to XYZ 48.4920, 35.5210, 20.8234 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(246, 125, 116) }
```


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

```
.border{ border-color:rgb(246, 125, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 125, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 125, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 125, 116);  
box-shadow:4px 4px 4px 4px rgb(246, 125,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4920, 35.5210, 20.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 125, 116) }
```

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

```
.background{ background-color: rgb(246,  
125, 116) }
```

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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