

Converting Colors

XYZ(46.8947, 34.8575, 20.7518)

Have a look what the booklet for
XYZ(46.8947, 34.8575, 20.7518)
contains.

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Color

**XYZ(46.8889, 34.8834,
20.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	F17E74
RGB	241, 126, 116
RGB Percent	95%, 49%, 45%
CMY	0.0549, 0.5059, 0.5451
CMYK	0.00, 0.48, 0.52, 0.05
HSL	5°, 82%, 70%
HSV	5°, 52%, 95%
XYZ	46.8889, 34.8834, 20.7849
YIQ	159.2450, 71.7500, 21.2700

Conversions

Conversions Part 2

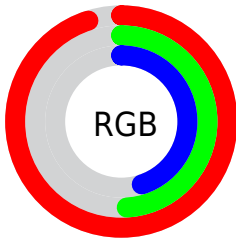
Format	Color
R _Y B	241, 127, 116
Decimal	15826548
CIE Lab	65.66, 43.10, 25.63
CIE LCh	66, 50.148, 30.738
Yxy	34.8834, 0.4572, 0.3401
Android (android.graphics.Color)	4294016628 (0xFFFF17E74)
YUV	159.2450, -21.3198, 71.6991
Hunter-Lab	59.0622, 38.3507, 20.4784

Details

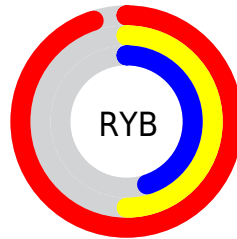
The XYZ color **46.8889, 34.8834, 20.7849** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.6540, 67.2124, 93.4698**, and the grayscale version is **33.1393, 34.8651, 37.9681**.

A 20% lighter version of the original color is **64.8318, 57.1349, 44.6569**, and **22.5482, 15.1387, 7.2025** is the 20% darker color. If you saturate the color by 10%, you get **43.1368, 29.3394, 13.4921**, and if you desaturate by 10%, it is **51.6345, 41.8328, 30.2032**.

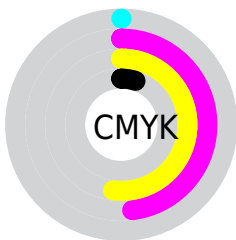
Distribution



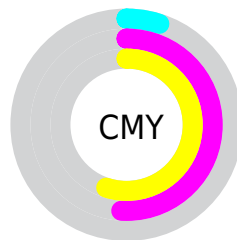
- Red (95%)
- Green (49%)
- Blue (45%)



- Red (95%)
- Yellow (50%)
- Blue (45%)



- Cyan (0%)
- Magenta (48%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8889, 34.8834, 20.7849 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 46.8889, 34.8834, 20.7849 by changing the saturation by 10% instead.


 46.8889, 34.8834,
20.7849


 46.8889, 34.8834,
20.7849

365.0272,
324.0534, 268.8765

 33.1554, 23.5731,
12.7772


 84.7675, 67.3051,
45.6054

 22.4053, 15.0172,
7.1464


 109.6434, 89.1853,
63.2552

 14.2733, 8.8315,
3.4740


 138.9640,
115.3575, 84.9562

 8.3940, 4.6314,
1.3414

173.0949,
146.2062, 111.1268

 4.4020, 2.0327,
0.0954

212.4013,
182.1157, 142.1856

 1.9320, 0.6264,
0.0000

257.2485,

 0.5953, 0.0000,

223.4705, 178.5511

0.0000

308.0021,
270.6549, 220.6419

■ 0.0000, 0.0000,
0.0000

■ 46.8889, 34.8834,
20.7849

■ 46.8889, 34.8834,
20.7849

■ 43.1368, 29.3394,
13.4921

■ 51.6345, 41.8328,
30.2032

■ 40.3050, 25.0999,
8.1576

■ 57.4348, 50.2687,
41.8930

■ 38.3141, 22.0593,
4.5920


■ 64.3491, 60.2724,
55.9895

■ 37.0700, 20.0932,
2.5679

■ 72.4316, 71.9178,
72.6170

■ 36.5134, 19.1764,
1.7769

■ 81.7328, 85.2741,
91.8909

 90.0856, 97.4407,
108.6677

Harmonies

Analogous

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



49.4409, 34.8834, 37.4614



46.8889, 34.8834, 20.7849



40.5763, 34.8834, 12.4373

Triad

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



46.8889, 34.8834, 20.7849



22.2653, 34.8834, 21.3970



33.3386, 34.8834, 94.7358

Complementary

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



46.8889, 34.8834, 20.7849



51.6540, 67.2124, 93.4698

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.



26.6998, 34.8834, 85.5322



46.8889, 34.8834, 20.7849



20.9080, 34.8834, 38.5076

Square

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



46.8889, 34.8834, 20.7849



26.4269, 34.8834, 12.6875



22.4057, 34.8834, 62.7327



40.9394, 34.8834, 84.6367

Rectangle

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



46.8889, 34.8834, 20.7849



35.4891, 34.8834, 10.3564



22.4057, 34.8834, 62.7327



30.9267, 34.8834, 93.7722

Sweetspot

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



46.8898, 34.8852, 20.7855



78.3363, 75.9915, 74.2914



57.1815, 37.0559, 80.9800



16.3625, 15.6822, 15.0690



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.



46.8898, 34.8852, 20.7855



48.9211, 33.1774, 15.1103



57.1631, 55.4319, 24.2100



15.8745, 15.9620, 16.3940



19.8380, 10.4742, 0.9761



1.6852, 0.9411, 0.0928

Inverse Universe

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



51.6540, 67.2124, 93.4698



54.8239, 73.4654, 105.8985



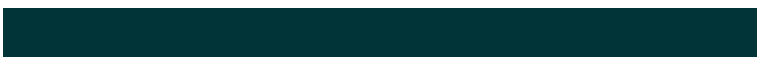
37.4859, 38.8762, 88.7470



16.1328, 17.6997, 20.2877



22.7798, 31.7839, 50.0622



1.9269, 2.7078, 4.1753

Previews

White Background



This preview shows how the XYZ color 46.8889, 34.8834, 20.7849 looks on a white background.

Color Contrast Check

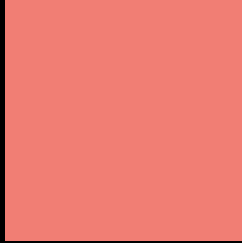
Large Text (above 18pt) WCAG AA × Fail

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 46.8889, 34.8834, 20.7849 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 46.8889, 34.8834, 20.7849

Background



This preview shows how black text looks on a background with the XYZ color 46.8889, 34.8834, 20.7849.



This preview shows how white text looks on a background with the XYZ color 46.8889, 34.8834,

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

46.8889, 34.8834, 20.7849

Protanopia

33.0297, 35.2153, 26.5291

Deuteranopia

35.7463, 35.0065, 19.9118



Tritanopia

47.9905, 34.9585, 26.0481

Trichromacy



Original Color

46.8889, 34.8834, 20.7849

Protanomaly

36.8615, 34.2883, 24.4142

Deuteranomaly

39.0976, 34.3925, 20.2005

Tritanomaly

47.7175, 35.0508, 23.9892

Monochromacy



Original Color

46.8889, 34.8834, 20.7849

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.3779, 33.6694, 30.5681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8889, 34.8834, 20.7849 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(241, 126, 116)` looks like.

```
.text, #text, p{  
    color:rgb(241, 126, 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(241, 126, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 126, 116) }
```

Border

The CSS property to change the border of an element to XYZ 46.8889, 34.8834, 20.7849 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(241, 126, 116) }
```


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

```
.border{ border-color:rgb(241, 126, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 126, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 126, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 126, 116);  
box-shadow:4px 4px 4px 4px rgb(241, 126,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8889, 34.8834, 20.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 126, 116) }
```

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

```
.background{ background-color: rgb(241,  
126, 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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