

Converting Colors

XYZ(46.5851, 33.9738, 19.5961)

Have a look what the booklet for
XYZ(46.5851, 33.9738, 19.5961)
contains.

| | |
|--|----|
| XYZ(46.5581, 33.9886, 19.7294) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(46.5581, 33.9886,
19.7294)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F27A71 |
| RGB | 242, 122, 113 |
| RGB Percent | 95%, 48%, 44% |
| CMY | 0.0510, 0.5215, 0.5569 |
| CMYK | 0.00, 0.50, 0.53, 0.05 |
| HSL | 4°, 83%, 70% |
| HSV | 4°, 53%, 95% |
| XYZ | 46.5581, 33.9886, 19.7294 |
| YIQ | 156.8540, 74.4090, 22.6410 |

Conversions

Conversions Part 2

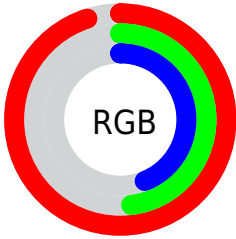
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 242, 123, 113 |
| Decimal | 15891057 |
| CIE _{Lab} | 64.95, 45.21, 26.40 |
| CIE _{LCh} | 65, 52.351, 30.285 |
| Yxy | 33.9886, 0.4643, 0.3390 |
| Android (android.graphics.Color) | 4294081137 (0xFFFF27A71) |
| YUV | 156.8540, -21.6200, 74.6730 |
| Hunter-Lab | 58.2997, 40.5253, 20.7453 |

Details

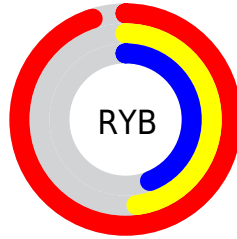
The XYZ color **46.5581, 33.9886, 19.7294** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.9740, 68.1953, 94.4276**, and the grayscale version is **32.0539, 33.7232, 36.7246**.

A 20% lighter version of the original color is **63.7537, 55.4209, 42.9344**, and **22.1383, 14.4617, 6.6256** is the 20% darker color. If you saturate the color by 10%, you get **42.9217, 28.6133, 12.6682**, and if you desaturate by 10%, it is **51.1995, 40.7929, 28.9179**.

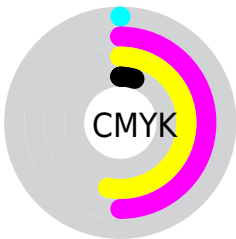
Distribution



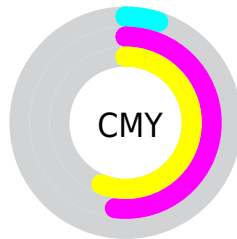
- Red (95%)
- Green (48%)
- Blue (44%)



- Red (95%)
- Yellow (48%)
- Blue (44%)



- Cyan (0%)
- Magenta (50%)
- Yellow (53%)
- Black (5%)



- Cyan (5%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5581, 33.9886, 19.7294 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 46.5581, 33.9886, 19.7294 by changing the saturation by 10% instead.

46.5581, 33.9886,
19.7294

46.5581, 33.9886,
19.7294

363.7263,
320.0812, 263.0020

32.8929, 22.8848,
12.0164

84.2764, 65.9159,
43.8160

22.2033, 14.5085,
6.6322

109.0602, 87.5083,
61.0267

14.1238, 8.4752,
3.1582

138.2810,
113.3657, 82.2404

8.2891, 4.4005,
1.1760

172.3041,
143.8724, 107.8755

4.3338, 1.9000,
0.0000

211.4948,
179.4130, 138.3507

1.8927, 0.5484,
0.0000

256.2185,

0.5726, 0.0000,

220.3717, 174.0845

0.0000

306.8405,
267.1330, 215.4954

■ 0.0000, 0.0000,
0.0000

■ 46.5581, 33.9886,
19.7294

■ 46.5581, 33.9886,
19.7294

■ 42.9217, 28.6133,
12.6682

■ 51.1995, 40.7929,
28.9179

■ 40.2133, 24.5601,
7.5618

■ 56.9101, 49.1124,
40.3841

■ 38.3491, 21.7160,
4.2139

■ 63.7520, 59.0328,
54.2667

■ 37.2284, 19.9464,
2.3860

■ 71.7816, 70.6318,
70.6928

■ 36.8166, 19.2748,
1.7800

■ 81.0515, 83.9823,
89.7809

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



49.1358, 33.9886, 36.8012



46.5581, 33.9886, 19.7294



40.0619, 33.9886, 11.3435

Triad

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



46.5581, 33.9886, 19.7294



21.2509, 33.9886, 19.9660



32.3775, 33.9886, 96.2211

Complementary

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



46.5581, 33.9886, 19.7294



51.9740, 68.1953, 94.4276

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.



25.6204, 33.9886, 86.2348



46.5581, 33.9886, 19.7294



19.8374, 33.9886, 37.2151

Square

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



46.5581, 33.9886, 19.7294



25.5133, 33.9886, 11.4378



21.3056, 33.9886, 62.2306



40.2066, 33.9886, 85.8716

Rectangle

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



46.5581, 33.9886, 19.7294



34.8215, 33.9886, 9.2670



21.3056, 33.9886, 62.2306



29.9130, 33.9886, 95.0973

Sweetspot

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



46.5589, 33.9904, 19.7300



78.2286, 75.7760, 74.2555



57.2881, 36.5937, 81.4343



16.3372, 15.6316, 15.0606



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.



46.5589, 33.9904, 19.7300



48.0327, 31.7684, 13.6798



57.1785, 55.2295, 23.2699



15.8614, 15.9359, 16.3897



19.8131, 10.4243, 0.9678



1.6790, 0.9287, 0.0908

Inverse Universe

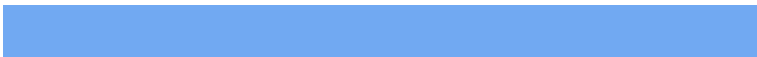
The Inverse Universe completely reimagines the original color for something new.



51.9740, 68.1953, 94.4276



54.6758, 73.9492, 105.9997



37.0066, 38.2605, 89.4385



16.1474, 17.7289, 20.2926



23.1315, 32.4872, 50.1794



1.9524, 2.7589, 4.1838

Previews

White Background



This preview shows how the XYZ color 46.5581, 33.9886, 19.7294 looks on a white background.

Color Contrast Check

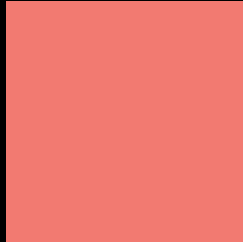
Large Text (above 18pt) WCAG AA × Fail

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 46.5581, 33.9886, 19.7294 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 46.5581, 33.9886, 19.7294

Background



This preview shows how black text looks on a background with the XYZ color 46.5581, 33.9886, 19.7294.



This preview shows how white text looks on a background with the XYZ color 46.5581, 33.9886,

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

46.5581, 33.9886, 19.7294

Protanopia

32.1257, 34.2542, 25.6874

Deuteranopia

34.7596, 34.0347, 18.9247



Tritanopia

47.5749, 34.0461, 24.4862

Trichromacy



Original Color

46.5581, 33.9886, 19.7294

Protanomaly

35.9487, 33.1502, 23.2428

Deuteranomaly

38.2050, 33.2919, 19.1642

Tritanomaly

47.3747, 34.1595, 22.8354

Monochromacy



Original Color

46.5581, 33.9886, 19.7294

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.5200, 32.5610, 29.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5581, 33.9886, 19.7294 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(242, 122, 113)` looks like.

```
.text, #text, p{  
    color:rgb(242, 122, 113)  
}
```

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(242, 122, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 122, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.5581, 33.9886, 19.7294 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(242, 122, 113) }
```


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

```
.border{ border-color:rgb(242, 122, 113) }
```

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

Here you see how a box with a 4 pixel rgb(242, 122, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 122, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 122, 113);  
box-shadow:4px 4px 4px 4px rgb(242, 122,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5581, 33.9886, 19.7294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 122, 113) }
```

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

```
.background{ background-color: rgb(242,  
122, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor