

Converting Colors

XYZ(45.2530, 33.4285, 21.2068)

Have a look what the booklet for
XYZ(45.2530, 33.4285, 21.2068)
contains.

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Color

**XYZ(45.2780, 33.4784,
21.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7B76
RGB	237, 123, 118
RGB Percent	93%, 48%, 46%
CMY	0.0706, 0.5176, 0.5373
CMYK	0.00, 0.48, 0.50, 0.07
HSL	3°, 77%, 70%
HSV	3°, 50%, 93%
XYZ	45.2780, 33.4784, 21.2151
YIQ	156.5160, 69.5490, 22.6130

Conversions

Conversions Part 2

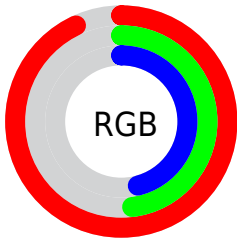
Format	Color
R_{YB}	237, 123, 118
Decimal	15563638
CIE _{Lab}	64.55, 43.32, 22.93
CIE _{LCh}	65, 49.009, 27.892
Yxy	33.4784, 0.4529, 0.3349
Android (android.graphics.Color)	4293753718 (0xFFED7B76)
YUV	156.5160, -18.9884, 70.5845
Hunter-Lab	57.8605, 38.4269, 18.7631

Details

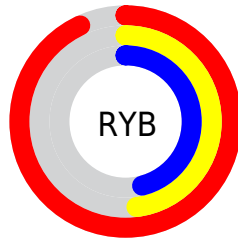
The XYZ color **45.2780, 33.4784, 21.2151** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.6122, 67.6757, 90.4630**, and the grayscale version is **31.8921, 33.5529, 36.5392**.

A 20% lighter version of the original color is **64.4161, 56.0031, 45.4448**, and **21.4902, 14.2958, 7.4211** is the 20% darker color. If you saturate the color by 10%, you get **41.5452, 27.9908, 13.8737**, and if you desaturate by 10%, it is **50.0192, 40.4169, 30.6386**.

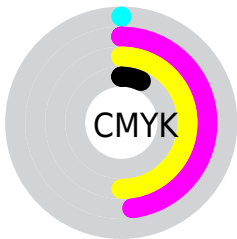
Distribution



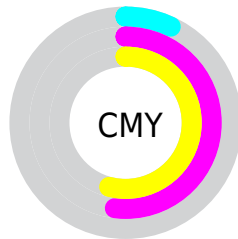
- Red (93%)
- Green (48%)
- Blue (46%)



- Red (93%)
- Yellow (48%)
- Blue (46%)



- Cyan (0%)
- Magenta (48%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2780, 33.4784, 21.2151 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 45.2780, 33.4784, 21.2151 by changing the saturation by 10% instead.


 45.2780, 33.4784,
21.2151


 45.2780, 33.4784,
21.2151

358.6631,
317.7999, 271.2379

 31.8787, 22.4932,
13.0886


 82.3719, 65.1217,
46.3307

 21.4239, 14.2197,
7.3581


 106.7972, 86.5486,
64.1568

 13.5485, 8.2736,
3.6052


 135.6285,
112.2248, 86.0532

 7.8869, 4.2705,
1.4114

169.2313,
142.5348, 112.4383

 4.0738, 1.8260,
0.1506

207.9707,
177.8629, 143.7309

 1.7440, 0.5033,
0.0000

252.2123,

 0.4836, 0.0000,

218.5935, 180.3493

0.0000

302.3213,
265.1111, 222.7121

■ 0.0000, 0.0000,
0.0000

■ 45.2780, 33.4784,
21.2151

■ 45.2780, 33.4784,
21.2151

■ 41.5452, 27.9908,
13.8737

■ 50.0192, 40.4169,
30.6386

■ 38.7456, 23.8466,
8.4551

■ 55.8320, 48.8937,
42.2837

■ 36.7974, 20.9316,
4.7796


■ 62.7773, 58.9951,
56.2800

■ 35.6034, 19.1107,
2.6334

■ 70.9106, 70.7999,
72.7467

■ 35.0332, 18.2209,
1.6705

■ 80.2841, 84.3816,
91.7948

 88.7349, 96.7445,
108.6045

Harmonies

Analogous

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



47.2755, 33.4784, 37.8906



45.2780, 33.4784, 21.2151



39.5336, 33.4784, 12.5608

Triad

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



45.2780, 33.4784, 21.2151



21.7164, 33.4784, 19.5466



31.3270, 33.4784, 90.2188

Complementary

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



45.2780, 33.4784, 21.2151



51.6122, 67.6757, 90.4630

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.



25.1817, 33.4784, 79.8874



45.2780, 33.4784, 21.2151



20.1642, 33.4784, 35.0508

Square

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



45.2780, 33.4784, 21.2151



25.9235, 33.4784, 11.8757



21.3343, 33.4784, 57.6504



38.5495, 33.4784, 82.3070

Rectangle

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



45.2780, 33.4784, 21.2151



34.7314, 33.4784, 10.2410



21.3343, 33.4784, 57.6504



29.0765, 33.4784, 88.7042

Sweetspot

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



45.2788, 33.4801, 21.2157



78.8965, 76.5860, 76.0996



56.1162, 36.8466, 81.2700



16.4580, 15.7697, 15.4201



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.



45.2788, 33.4801, 21.2157



49.0470, 33.0367, 16.3620



54.8140, 52.5505, 24.3941



15.1163, 15.1556, 15.6473



19.1505, 9.9951, 0.9199



1.5217, 0.8208, 0.0782

Inverse Universe

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



51.6122, 67.6757, 90.4630



57.2705, 77.5267, 106.5534



37.8035, 40.0583, 85.8601



15.4602, 17.0069, 19.3901



23.3725, 33.3920, 48.9564



1.8522, 2.6558, 3.8499

Previews

White Background



This preview shows how the XYZ color 45.2780, 33.4784, 21.2151 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 45.2780, 33.4784, 21.2151 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 45.2780, 33.4784, 21.2151

Background



This preview shows how black text looks on a background with the XYZ color 45.2780, 33.4784, 21.2151.



This preview shows how white text looks on a background with the XYZ color 45.2780, 33.4784,

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

45.2780, 33.4784, 21.2151

Protanopia

31.8771, 33.8345, 27.4049

Deuteranopia

34.1367, 33.4441, 20.2789



Tritanopia

46.1265, 33.4636, 25.1471

Trichromacy



Original Color

45.2780, 33.4784, 21.2151

Protanomaly

35.5075, 32.8857, 24.8982

Deuteranomaly

37.6494, 32.9731, 20.5998

Tritanomaly

45.9853, 33.6026, 23.8009

Monochromacy



Original Color

45.2780, 33.4784, 21.2151

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.3330, 32.6731, 30.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2780, 33.4784, 21.2151 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(237, 123, 118)` looks like.

```
.text, #text, p{  
    color:rgb(237, 123, 118)  
}
```

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(237, 123, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 123, 118) }
```

Border

The CSS property to change the border of an element to XYZ 45.2780, 33.4784, 21.2151 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(237, 123, 118) }
```


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

```
.border{ border-color:rgb(237, 123, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 123, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 123, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 123, 118);  
box-shadow:4px 4px 4px 4px rgb(237, 123,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2780, 33.4784, 21.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 123, 118) }
```

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

```
.background{ background-color: rgb(237,  
123, 118) }
```

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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