

Converting Colors

XYZ(45.9817, 33.9253, 24.4097)

Have a look what the booklet for
XYZ(45.9817, 33.9253, 24.4097)
contains.

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Color

**XYZ(46.0290, 33.9783,
24.5546)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7C80
RGB	237, 124, 128
RGB Percent	93%, 49%, 50%
CMY	0.0706, 0.5137, 0.4980
CMYK	0.00, 0.48, 0.46, 0.07
HSL	358°, 76%, 71%
HSV	358°, 48%, 93%
XYZ	46.0290, 33.9783, 24.5546
YIQ	158.2430, 66.0640, 25.2000

Conversions

Conversions Part 2

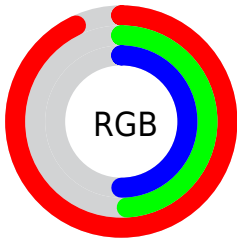
Format	Color
R _Y B	237, 124, 128
Decimal	15563904
CIE Lab	64.95, 43.74, 17.82
CIE LCh	65, 47.236, 22.170
Yxy	33.9783, 0.4402, 0.3250
Android (android.graphics.Color)	4293753984 (0xFFED7C80)
YUV	158.2430, -14.9098, 69.0699
Hunter-Lab	58.2909, 38.9422, 15.8282

Details

The XYZ color **46.0290, 33.9783, 24.5546** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.3061, 70.7374, 87.9391**, and the grayscale version is **32.6552, 34.3558, 37.4135**.

A 20% lighter version of the original color is **65.7006, 56.8364, 51.2238**, and **21.7960, 14.4181, 9.0313** is the 20% darker color. If you saturate the color by 10%, you get **42.0686, 28.2006, 16.6281**, and if you desaturate by 10%, it is **51.0438, 41.3224, 34.5057**.

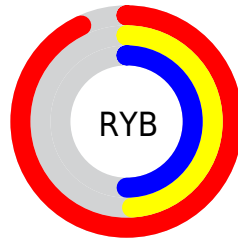
Distribution



Red (93%)

Green (49%)

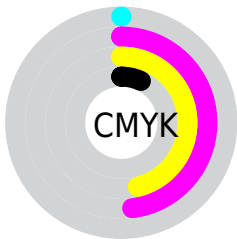
Blue (50%)



Red (93%)

Yellow (49%)

Blue (50%)

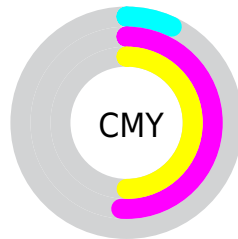


Cyan (0%)

Magenta (48%)

Yellow (46%)

Black (7%)



Cyan (7%)


Magenta (51%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0290, 33.9783, 24.5546 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 46.0290, 33.9783, 24.5546 by changing the saturation by 10% instead.


 46.0290, 33.9783,
24.5546


 46.0290, 33.9783,
24.5546

361.6392,
320.0353, 288.9888

 32.4734, 22.8769,
15.5295


 83.4900, 65.8999,
51.8889

 21.8807, 14.5027,
9.0411

 108.1261, 87.4890,
71.0351

 13.8853, 8.4711,
4.6708


 137.1865,
113.3427, 94.3922

 8.1221, 4.3978,
2.0001

171.0364,
143.8455, 122.3787

 4.2257, 1.8985,
0.5554

210.0413,
179.3817, 155.4130

 1.8306, 0.5475,
0.0000

254.5665,

 0.5360, 0.0000,

220.3359, 193.9138

0.0000

304.9774,
267.0922, 238.2995

■ 0.0000, 0.0000,
0.0000

■ 46.0290, 33.9783,
24.5546

■ 46.0290, 33.9783,
24.5546

■ 42.0686, 28.2006,
16.6281

■ 51.0438, 41.3224,
34.5057

■ 39.0850, 23.8708,
10.5855

■ 57.1781, 50.3295,
46.6052

■ 36.9941, 20.8623,
6.2713

■ 64.4949, 61.0949,
60.9692

■ 35.6964, 19.0242,
3.5043

■ 73.0516, 73.7050,
77.7050

■ 35.0620, 18.1549,
2.0608

■ 82.9021, 88.2404,
96.9131

■ 34.9709, 18.0229,
1.8762

■ 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



47.1106, 33.9783, 42.3541



46.0290, 33.9783, 24.5546



41.0267, 33.9783, 14.5511

Triad

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



46.0290, 33.9783, 24.5546



23.0036, 33.9783, 18.4085



30.5411, 33.9783, 88.0849

Complementary

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



46.0290, 33.9783, 24.5546



53.3061, 70.7374, 87.9391

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.



24.9000, 33.9783, 75.3054



46.0290, 33.9783, 24.5546



20.9658, 33.9783, 32.1110

Square

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



46.0290, 33.9783, 24.5546



27.5943, 33.9783, 11.9730



21.6076, 33.9783, 53.0595



37.5022, 33.9783, 83.8280

Rectangle

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



46.0290, 33.9783, 24.5546



36.4805, 33.9783, 11.5203



21.6076, 33.9783, 53.0595



28.4432, 33.9783, 85.5175

Sweetspot

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



46.0299, 33.9801, 24.5552



79.6427, 77.2769, 78.8193



55.5627, 37.5787, 84.4456



16.5955, 15.8755, 15.9870



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.



46.0299, 33.9801, 24.5552



49.8606, 33.5694, 20.0074



53.8650, 50.0629, 25.8952



15.0870, 15.0627, 15.7437



19.1028, 9.8438, 1.0770



1.5077, 0.7760, 0.1247

Inverse Universe

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



46.0299, 33.9801, 24.5552



49.8606, 33.5694, 20.0074



41.1904, 45.5823, 86.7480



15.0870, 15.0627, 15.7437



19.1028, 9.8438, 1.0770



1.5077, 0.7760, 0.1247

Previews

White Background



This preview shows how the XYZ color 46.0290, 33.9783, 24.5546 looks on a white background.

Color Contrast Check

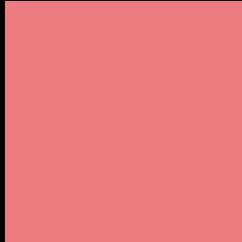
Large Text (above 18pt) WCAG AA × Fail

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 46.0290, 33.9783, 24.5546 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 46.0290, 33.9783, 24.5546

Background



This preview shows how black text looks on a background with the XYZ color 46.0290, 33.9783, 24.5546.



This preview shows how white text looks on a background with the XYZ color 46.0290, 33.9783,

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

46.0290, 33.9783, 24.5546

Protanopia

32.4776, 34.0508, 31.6488

Deuteranopia

34.8110, 34.2008, 23.5056



Tritanopia

46.1729, 33.8364, 25.9273

Trichromacy



Original Color

46.0290, 33.9783, 24.5546

Protanomaly

36.2715, 33.1912, 28.9209

Deuteranomaly

38.2765, 33.6640, 23.8825

Tritanomaly

46.1047, 33.8091, 25.5686

Monochromacy



Original Color

46.0290, 33.9783, 24.5546

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.0389, 33.2291, 32.1182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0290, 33.9783, 24.5546 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, 124, 128)` looks like.

```
.text, #text, p{  
    color:rgb(237, 124, 128)  
}
```

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, 124, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 124, 128) }
```

Border

The CSS property to change the border of an element to XYZ 46.0290, 33.9783, 24.5546 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, 124, 128) }
```


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

```
.border{ border-color:rgb(237, 124, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 124, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 124, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 124, 128);  
box-shadow:4px 4px 4px 4px rgb(237, 124,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0290, 33.9783, 24.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 124, 128) }
```

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

```
.background{ background-color: rgb(237,  
124, 128) }
```

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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