

# Converting Colors

XYZ(46.4764, 33.4707, 23.5906)

Have a look what the booklet for  
XYZ(46.4764, 33.4707, 23.5906)  
contains.

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# Color

**XYZ(46.4175, 33.4646,  
23.7515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0787E
RGB	240, 120, 126
RGB Percent	94%, 47%, 49%
CMY	0.0588, 0.5294, 0.5059
CMYK	0.00, 0.50, 0.47, 0.06
HSL	357°, 80%, 71%
HSV	357°, 50%, 94%
XYZ	46.4175, 33.4646, 23.7515
YIQ	156.5640, 69.5940, 27.3060

# Conversions

## Conversions Part 2

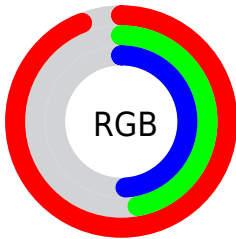
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 120, 126
Decimal	15759486
CIE <sub>Lab</sub>	64.54, 46.61, 18.46
CIE <sub>LCh</sub>	65, 50.134, 21.605
Yxy	33.4646, 0.4479, 0.3229
Android (android.graphics.Color)	4293949566 (0xFFFF0787E)
YUV	156.5640, -15.0681, 73.1734
Hunter-Lab	57.8486, 41.9927, 16.1507

# Details

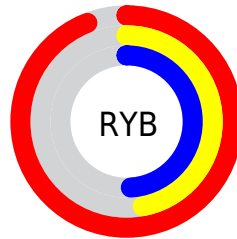
The XYZ color **46.4175, 33.4646, 23.7515** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.7589, 72.2544, 88.9597**, and the grayscale version is **31.8967, 33.5578, 36.5445**.

A 20% lighter version of the original color is **64.7067, 55.1746, 49.8872**, and **22.1691, 14.2534, 8.6039** is the 20% darker color. If you saturate the color by 10%, you get **42.5768, 27.8756, 16.0211**, and if you desaturate by 10%, it is **51.3184, 40.6376, 33.4901**.

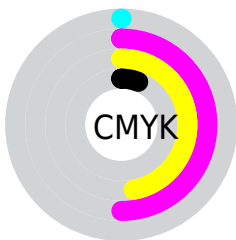
# Distribution



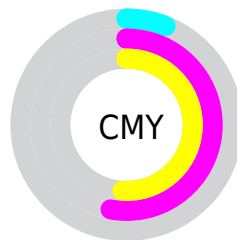
- Red (94%)
- Green (47%)
- Blue (49%)



- Red (94%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (50%)
- Yellow (47%)
- Black (6%)



- Cyan (6%)
- Magenta (53%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4175, 33.4646, 23.7515 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 46.4175, 33.4646, 23.7515 by changing the saturation by 10% instead.





 46.4175, 33.4646,  
23.7515


 46.4175, 33.4646,  
23.7515


363.1725,  
317.7381, 284.8077


 32.7814, 22.4826,  
14.9389


 84.0675, 65.1002,  
50.5631

 22.1175, 14.2119,  
8.6304


 108.8122, 86.5226,  
69.3992

 14.0603, 8.2682,  
4.4074


 137.9904,  
112.1939, 92.4135

 8.2446, 4.2670,  
1.8514

171.9675,  
142.4985, 120.0246

 4.3050, 1.8240,  
0.4615

211.1090,  
177.8209, 152.6511

 1.8761, 0.5021,  
0.0000

255.7800,

 0.5629, 0.0000,

218.5453, 190.7114

0.0000

306.3461,  
265.0562, 234.6241

■ 0.0000, 0.0000,  
0.0000

■ 46.4175, 33.4646,  
23.7515

■ 46.4175, 33.4646,  
23.7515

■ 42.5768, 27.8756,  
16.0211

■ 51.3184, 40.6376,  
33.4901

■ 39.7156, 23.7460,  
10.1570

■ 57.3474, 49.4966,  
45.3616

■ 37.7458, 20.9411,  
6.0021

■ 64.5694, 60.1410,  
59.4827

■ 36.5621, 19.2989,  
3.3723

■ 73.0440, 72.6612,  
75.9613

■ 36.0014, 18.5519,  
2.0310

■ 82.8265, 87.1414,  
94.8981

■ 36.0013, 18.5517,  
2.0308

■ 89.7450, 97.2652,  
108.6517

# Harmonies

## Analogous

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



47.4811, 33.4646, 42.5088



46.4175, 33.4646, 23.7515



41.1570, 33.4646, 13.4321

# Triad

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



46.4175, 33.4646, 23.7515



22.1827, 33.4646, 17.0104



29.8371, 33.4646, 91.0893

# Complementary

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



46.4175, 33.4646, 23.7515



53.7589, 72.2544, 88.9597

# 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.



23.9927, 33.4646, 76.9489



46.4175, 33.4646, 23.7515



20.0288, 33.4646, 30.9732

# Square

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



46.4175, 33.4646, 23.7515



26.9980, 33.4646, 10.6820



20.6377, 33.4646, 52.9868



37.1559, 33.4646, 86.8292



# Rectangle

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



46.4175, 33.4646, 23.7515



36.3573, 33.4646, 10.3518



20.6377, 33.4646, 52.9868



27.6534, 33.4646, 88.1849

# Sweetspot

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



46.4183, 33.4663, 23.7521



78.7300, 75.8535, 77.2754



56.3771, 37.2184, 86.6501



16.4187, 15.5965, 15.6981



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.



46.4183, 33.4663, 23.7521



48.7864, 31.8807, 18.2321



54.4625, 50.1551, 24.5822



15.8048, 15.7716, 16.5283



19.7217, 10.1611, 1.1852



1.6518, 0.8498, 0.1574



# Inverse Universe

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



46.4183, 33.4663, 23.7521



48.7864, 31.8807, 18.2321



41.0345, 45.4040, 89.0388



15.8048, 15.7716, 16.5283



19.7217, 10.1611, 1.1852



1.6518, 0.8498, 0.1574



# Previews

## White Background



This preview shows how the XYZ color 46.4175, 33.4646, 23.7515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

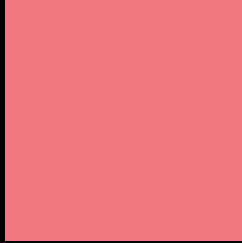
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4175, 33.4646, 23.7515 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 46.4175, 33.4646, 23.7515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4175, 33.4646, 23.7515.



This preview shows how white text looks on a background with the XYZ color 46.4175, 33.4646,

23.7515.

# 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

46.4175, 33.4646, 23.7515

### Protanopia

32.0268, 33.5771, 31.1786

### Deuteranopia

34.2850, 33.7040, 22.7877



## Tritanopia

46.5479, 33.5167, 24.4381

# Trichromacy



## Original Color

46.4175, 33.4646, 23.7515

## Protanomaly

35.8237, 32.5274, 28.0572

## Deuteranomaly

37.8551, 33.0236, 23.1179

## Tritanomaly

46.4824, 33.4905, 24.0931

# Monochromacy



## Original Color

46.4175, 33.4646, 23.7515

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

35.6551, 32.5866, 31.6048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4175, 33.4646, 23.7515 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(240, 120, 126)` looks like.

```
.text, #text, p{  
    color:rgb(240, 120, 126)  
}
```

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(240, 120, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 120, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4175, 33.4646, 23.7515 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(240, 120, 126) }
```



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

```
.border{ border-color:rgb(240, 120, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 120, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 120, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 120, 126);  
box-shadow:4px 4px 4px 4px rgb(240, 120,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4175, 33.4646, 23.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 120, 126) }
```

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

```
.background{ background-color: rgb(240,  
120, 126) }
```

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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