

Converting Colors

XYZ(45.9879, 32.7973, 23.5112)

Have a look what the booklet for
XYZ(45.9879, 32.7973, 23.5112)
contains.

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Color

**XYZ(46.0624, 32.7542,
23.6331)**

Conversions

Conversions Part 1

Format	Color
Hex	F0757E
RGB	240, 117, 126
RGB Percent	94%, 46%, 49%
CMY	0.0588, 0.5411, 0.5059
CMYK	0.00, 0.51, 0.47, 0.06
HSL	356°, 80%, 70%
HSV	356°, 51%, 94%
XYZ	46.0624, 32.7542, 23.6331
YIQ	154.8030, 70.4190, 28.8750

Conversions

Conversions Part 2

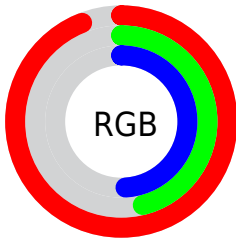
Format	Color
R _Y B	240, 117, 126
Decimal	15758718
CIE Lab	63.96, 48.08, 17.67
CIE LCh	64, 51.224, 20.179
Yxy	32.7542, 0.4496, 0.3197
Android (android.graphics.Color)	4293948798 (0xFFFF0757E)
YUV	154.8030, -14.1999, 74.7178
Hunter-Lab	57.2313, 43.5104, 15.5787

Details

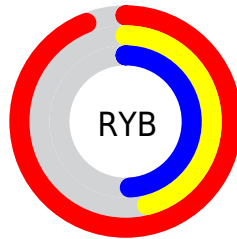
The XYZ color **46.0624, 32.7542, 23.6331** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **52.9219, 71.8724, 86.6895**, and the grayscale version is **31.1086, 32.7287, 35.6415**.

A 20% lighter version of the original color is **64.1292, 54.0197, 49.6947**, and **21.9395, 13.7941, 8.5274** is the 20% darker color. If you saturate the color by 10%, you get **42.3364, 27.3498, 16.0794**, and if you desaturate by 10%, it is **50.8259, 39.7231, 33.1076**.

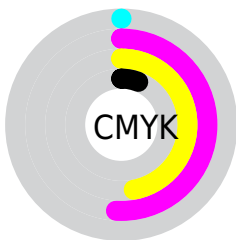
Distribution



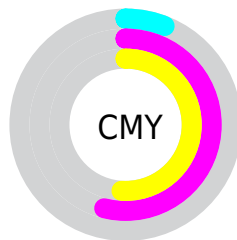
- Red (94%)
- Green (46%)
- Blue (49%)



- Red (94%)
- Yellow (46%)
- Blue (49%)



- Cyan (0%)
- Magenta (51%)
- Yellow (47%)
- Black (6%)





- Cyan (6%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0624, 32.7542, 23.6331 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 46.0624, 32.7542, 23.6331 by changing the saturation by 10% instead.


 46.0624, 32.7542,
23.6331


 46.0624, 32.7542,
23.6331

361.7712,
314.5407, 284.1868

 32.4999, 21.9382,
14.8520


 83.5397, 63.9916,
50.3671

 21.9010, 13.8115,
8.5701


 108.1851, 85.1818,
69.1571

 13.9004, 7.9897,
4.3689

 137.2557,
110.5988, 92.1205

 8.1326, 4.0883,
1.8298

171.1166,
140.6271, 119.6757

 4.2325, 1.7231,
0.4475

210.1332,
175.6510, 152.2415

 1.8345, 0.4386,
0.0000

254.6710,

 0.5383, 0.0000,

216.0550, 190.2362

0.0000

305.0952,
262.2234, 234.0785

■ 0.0000, 0.0000,
0.0000

■ 46.0624, 32.7542,
23.6331

■ 46.0624, 32.7542,
23.6331

■ 42.3364, 27.3498,
16.0794

■ 50.8259, 39.7231,
33.1076

■ 39.5681, 23.3842,
10.3135

■ 56.6938, 48.3591,
44.6203

■ 37.6701, 20.7211,
6.1880


■ 63.7305, 58.7621,
58.2811

■ 36.5377, 19.1955,
3.5313

■ 71.9945, 71.0227,
74.1915

■ 36.0407, 18.5675,
2.2375

■ 81.5406, 85.2255,
92.4466

 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



46.9098, 32.7542, 42.8829



46.0624, 32.7542, 23.6331



40.8936, 32.7542, 13.0157

Triad

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



46.0624, 32.7542, 23.6331



21.6415, 32.7542, 15.7834



28.8239, 32.7542, 90.9249

Complementary

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



46.0624, 32.7542, 23.6331



52.9219, 71.8724, 86.6895

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.



23.0621, 32.7542, 75.7380



46.0624, 32.7542, 23.6331



19.3599, 32.7542, 29.3040

Square

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



46.0624, 32.7542, 23.6331



26.5849, 32.7542, 9.8510



19.8363, 32.7542, 51.2097



36.1698, 32.7542, 87.5019

Rectangle

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



46.0624, 32.7542, 23.6331



36.0796, 32.7542, 9.8149



19.8363, 32.7542, 51.2097



26.6585, 32.7542, 87.6569

Sweetspot

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



46.0632, 32.7559, 23.6337



78.8468, 75.9003, 77.8905



54.6434, 35.7973, 86.4675



16.4463, 15.6076, 15.8437



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.



46.0632, 32.7559, 23.6337



48.6042, 31.4130, 18.4898



53.1961, 47.9090, 23.2755



15.8197, 15.7776, 16.6067



19.7469, 10.1712, 1.3178



1.6590, 0.8526, 0.1949

Inverse Universe

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



46.0632, 32.7559, 23.6337



48.6042, 31.4130, 18.4898



41.2098, 46.3627, 89.2149



15.8197, 15.7776, 16.6067



19.7469, 10.1712, 1.3178



1.6590, 0.8526, 0.1949

Previews

White Background



This preview shows how the XYZ color 46.0624, 32.7542, 23.6331 looks on a white background.

Color Contrast Check

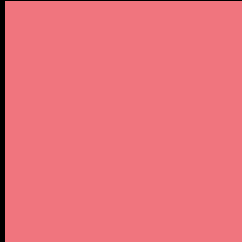
Large Text (above 18pt) WCAG AA × Fail

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 46.0624, 32.7542, 23.6331 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 46.0624, 32.7542, 23.6331

Background



This preview shows how black text looks on a background with the XYZ color 46.0624, 32.7542, 23.6331.



This preview shows how white text looks on a background with the XYZ color 46.0624, 32.7542,

23.6331.

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

46.0624, 32.7542, 23.6331

Protanopia

31.5301, 33.0641, 31.5083

Deuteranopia

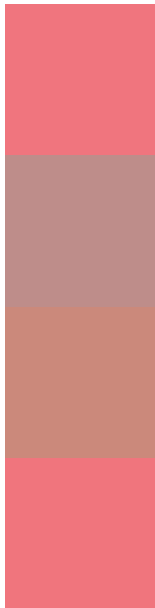
33.4900, 32.8205, 22.6590



Tritanopia

45.9981, 32.7285, 23.2949

Trichromacy



Original Color

46.0624, 32.7542, 23.6331

Protanomaly

35.3475, 31.8319, 28.3259

Deuteranomaly

37.1494, 32.0179, 22.9610

Tritanomaly

45.9981, 32.7285, 23.2949

Monochromacy



Original Color

46.0624, 32.7542, 23.6331

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.8086, 31.5025, 30.6315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0624, 32.7542, 23.6331 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, 117, 126)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 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, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 126) }
```

Border

The CSS property to change the border of an element to XYZ 46.0624, 32.7542, 23.6331 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, 117, 126) }
```


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

```
.border{ border-color:rgb(240, 117, 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, 117, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0624, 32.7542, 23.6331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 126) }
```

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

```
.background{ background-color: rgb(240,  
117, 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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