

Converting Colors

XYZ(48.6740, 30.6610, 21.2621)

Have a look what the booklet for
XYZ(48.6740, 30.6610, 21.2621)
contains.

XYZ(48.6329, 30.6215, 21.1166)	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(48.6329, 30.6215,
21.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E78
RGB	255, 94, 120
RGB Percent	100%, 37%, 47%
CMY	0.0000, 0.6313, 0.5294
CMYK	0.00, 0.63, 0.53, 0.00
HSL	350°, 100%, 68%
HSV	350°, 63%, 100%
XYZ	48.6329, 30.6215, 21.1166
YIQ	145.1030, 87.6100, 42.2180

Conversions

Conversions Part 2

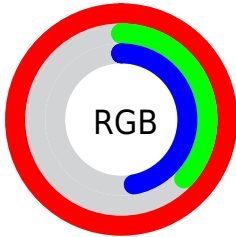
Format	Color
R _Y B	255, 94, 120
Decimal	16735864
CIE Lab	62.19, 62.90, 19.04
CIE LCh	62, 65.720, 16.839
Yxy	30.6215, 0.4845, 0.3051
Android (android.graphics.Color)	4294925944 (0xFFFF5E78)
YUV	145.1030, -12.3758, 96.3797
Hunter-Lab	55.3367, 60.0363, 16.1105

Details

The XYZ color **48.6329, 30.6215, 21.1166** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **54.5211, 79.5576, 86.6179**, and the grayscale version is **26.9807, 28.3858, 30.9121**.

A 20% lighter version of the original color is **59.7530, 46.3718, 44.8310**, and **23.6014, 12.6841, 7.3352** is the 20% darker color. If you saturate the color by 10%, you get **45.5719, 26.3497, 14.3928**, and if you desaturate by 10%, it is **52.7339, 36.5098, 29.6170**.

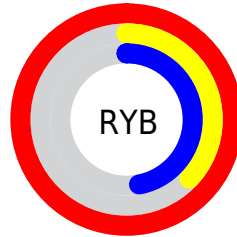
Distribution



Red (100%)

Green (37%)

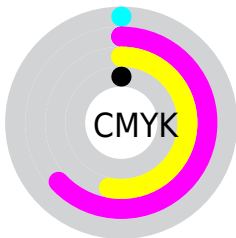
Blue (47%)



Red (100%)

Yellow (37%)

Blue (47%)

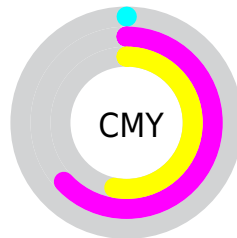


Cyan (0%)

Magenta (63%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6329, 30.6215, 21.1166 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 48.6329, 30.6215, 21.1166 by changing the saturation by 10% instead.


 48.6329, 30.6215,
21.1166


 48.6329, 30.6215,
21.1166

371.8363,
304.7908, 270.6989

 34.5417, 20.3108,
13.0172


 87.3500, 60.6437,
46.1648


 23.4749, 12.6212,
7.3095


 112.7066, 81.1239,
63.9507

 15.0672, 7.1682,
3.5750

 142.5490,
105.7628, 85.8025

 8.9532, 3.5675,
1.3952

 177.2427,
134.9448, 112.1387

 4.7675, 1.4347,
0.1380

217.1529,
169.0541, 143.3779

 2.1449, 0.2421,
0.0000

262.6450,

 0.7134, 0.0000,

208.4753, 179.9387

0.0000

314.0843,
253.5927, 222.2395

■ 0.0000, 0.0000,
0.0000

■ 48.6329, 30.6215,
21.1166

■ 48.6329, 30.6215,
21.1166

■ 45.5719, 26.3497,
14.3928

■ 52.7339, 36.5098,
29.6170

■ 43.4520, 23.5276,
9.3157

■ 57.9568, 44.1498,
40.0081

■ 42.1585, 21.9609,
5.7392

■ 64.3779, 53.6679,
52.3959

■ 41.6430, 21.4212,
4.0531

■ 72.0660, 65.1778,
66.8780

■ 81.0847, 78.7839,
83.5458

91.4934, 94.5834,
102.4851

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



49.0322, 30.6215, 45.7229



48.6329, 30.6215, 21.1166



42.3751, 30.6215, 8.9212

Triad

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



48.6329, 30.6215, 21.1166



18.3676, 30.6215, 9.8720



25.3975, 30.6215, 106.9331

Complementary

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



48.6329, 30.6215, 21.1166



54.5211, 79.5576, 86.6179

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.



18.9420, 30.6215, 83.0606



48.6329, 30.6215, 21.1166



15.4740, 30.6215, 23.4253

Square

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



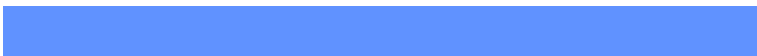
48.6329, 30.6215, 21.1166



24.4458, 30.6215, 5.0594



15.6603, 30.6215, 49.5565



34.3211, 30.6215, 105.1813

Rectangle

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



48.6329, 30.6215, 21.1166



36.3287, 30.6215, 5.6010



15.6603, 30.6215, 49.5565



22.9083, 30.6215, 101.2740

Sweetspot

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



48.6337, 30.6232, 21.1171



75.6291, 70.5420, 73.4975



54.1018, 31.7486, 97.8840



15.6548, 14.2961, 14.7424



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.



48.6337, 30.6232, 21.1171



44.8726, 25.4001, 12.7750



53.7994, 43.1457, 16.0844



18.1289, 18.0349, 19.2962



21.7945, 11.2071, 2.3023



2.1545, 1.1042, 0.3951

Inverse Universe

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



48.6337, 30.6232, 21.1171



44.8726, 25.4001, 12.7750



43.6322, 51.5305, 102.2541



18.1289, 18.0349, 19.2962



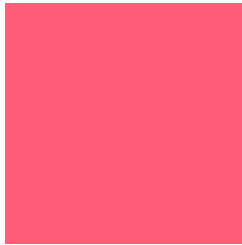
21.7945, 11.2071, 2.3023



2.1545, 1.1042, 0.3951

Previews

White Background



This preview shows how the XYZ color 48.6329, 30.6215, 21.1166 looks on a white background.

Color Contrast Check

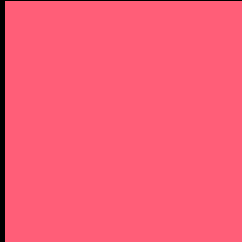
Large Text (above 18pt) WCAG AA × Fail

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 48.6329, 30.6215, 21.1166 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 48.6329, 30.6215, 21.1166

Background



This preview shows how black text looks on a background with the XYZ color 48.6329, 30.6215, 21.1166.



This preview shows how white text looks on a background with the XYZ color 48.6329, 30.6215,

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

48.6329, 30.6215, 21.1166

Protanopia

29.5781, 30.8208, 32.4071

Deuteranopia

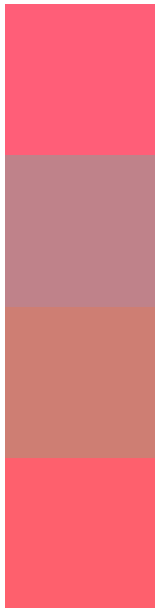
31.2580, 30.5813, 19.5846



Tritanopia

47.5959, 30.5995, 16.2297

Trichromacy



Original Color

48.6329, 30.6215, 21.1166

Protanomaly

34.0559, 28.8766, 27.8236

Deuteranomaly

36.0090, 29.2813, 19.9736

Tritanomaly

47.8162, 30.5407, 17.8427

Monochromacy



Original Color

48.6329, 30.6215, 21.1166

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.9124, 27.0136, 26.8247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6329, 30.6215, 21.1166 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(255, 94, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 120)  
}
```

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(255, 94, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 120) }
```

Border

The CSS property to change the border of an element to XYZ 48.6329, 30.6215, 21.1166 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(255, 94, 120) }
```


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

```
.border{ border-color:rgb(255, 94, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6329, 30.6215, 21.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 120) }
```

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

```
.background{ background-color: rgb(255, 94,  
120) }
```

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