

Converting Colors

XYZ(48.5948, 31.5869, 20.0757)

Have a look what the booklet for
XYZ(48.5948, 31.5869, 20.0757)
contains.

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Color

**XYZ(48.6791, 31.6391,
20.0643)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6574
RGB	254, 101, 116
RGB Percent	100%, 40%, 45%
CMY	0.0039, 0.6039, 0.5451
CMYK	0.00, 0.60, 0.54, 0.00
HSL	354°, 99%, 70%
HSV	354°, 60%, 100%
XYZ	48.6791, 31.6391, 20.0643
YIQ	148.4570, 86.3730, 37.1010

Conversions

Conversions Part 2

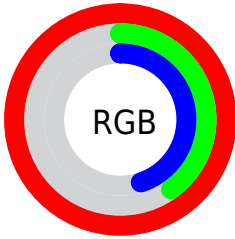
Format	Color
R _Y B	254, 101, 116
Decimal	16672116
CIE Lab	63.04, 59.34, 22.47
CIE LCh	63, 63.449, 20.742
Yxy	31.6391, 0.4849, 0.3152
Android (android.graphics.Color)	4294862196 (0xFFFE6574)
YUV	148.4570, -16.0013, 92.5612
Hunter-Lab	56.2486, 56.0436, 18.2249

Details

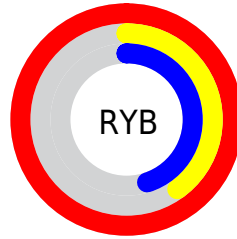
The XYZ color **48.6791, 31.6391, 20.0643** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.3906, 79.8830, 94.1142**, and the grayscale version is **28.3800, 29.8580, 32.5154**.

A 20% lighter version of the original color is **60.3649, 48.2011, 43.1680**, and **23.5746, 13.2097, 6.7761** is the 20% darker color. If you saturate the color by 10%, you get **45.4102, 26.9778, 13.1907**, and if you desaturate by 10%, it is **53.0399, 37.9588, 28.9236**.

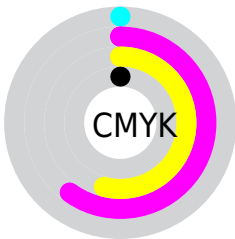
Distribution



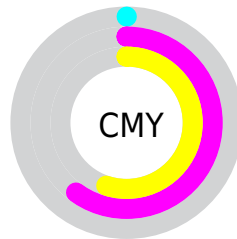
- Red (100%)
- Green (40%)
- Blue (45%)



- Red (100%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (60%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6791, 31.6391, 20.0643 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 48.6791, 31.6391, 20.0643 by changing the saturation by 10% instead.


 48.6791, 31.6391,
20.0643


 48.6791, 31.6391,
20.0643

372.0156,
309.4719, 264.8787

 34.5785, 21.0860,
12.2573


 87.4183, 62.2449,
44.3853


 23.5033, 13.1869,
6.7945

 112.7875, 83.0663,
61.7364

 15.0883, 7.5574,
3.2574


 142.6436,
108.0794, 83.1059

 8.9681, 3.8130,
1.2275

 177.3521,
137.6684, 108.9124

 4.7773, 1.5695,
0.0013

217.2781,
172.2177, 139.5744

 2.1506, 0.3369,
0.0000

262.7872,

 0.7165, 0.0000,

212.1119, 175.5104

0.0000

314.2445,
257.7351, 217.1390

■ 0.0000, 0.0000,
0.0000

■ 48.6791, 31.6391,
20.0643

■ 48.6791, 31.6391,
20.0643

■ 45.4102, 26.9778,
13.1907

■ 53.0399, 37.9588,
28.9236

■ 43.1336, 23.8143,
8.1472

■ 58.5760, 46.0676,
39.9045

■ 41.7350, 21.9653,
4.7578

■ 65.3652, 56.0892,
53.1329

■ 41.0472, 21.1405,
2.8306

■ 73.4781, 68.1347,
68.7242

■ 82.9798, 82.3069,
86.7860

93.9314, 98.7013,
107.4193

94.6829, 99.8107,
108.8828

Harmonies

Analogous

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



49.8885, 31.6391, 42.7852



48.6791, 31.6391, 20.0643



42.0060, 31.6391, 9.0099

Triad

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



48.6791, 31.6391, 20.0643



18.8488, 31.6391, 12.0907



27.4492, 31.6391, 107.1031

Complementary

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



48.6791, 31.6391, 20.0643



56.3906, 79.8830, 94.1142

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.



20.6439, 31.6391, 86.7505



48.6791, 31.6391, 20.0643



16.3512, 31.6391, 27.2737

Square

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



48.6791, 31.6391, 20.0643



24.5057, 31.6391, 6.2004



16.9376, 31.6391, 54.4544



36.4232, 31.6391, 101.8824

Rectangle

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



48.6791, 31.6391, 20.0643



35.9607, 31.6391, 6.0655



16.9376, 31.6391, 54.4544



24.8640, 31.6391, 102.7627

Sweetspot

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



48.6799, 31.6408, 20.0648



76.1513, 71.7445, 73.1838



58.0394, 34.7635, 97.4166



15.7398, 14.5230, 14.5957



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.



48.6799, 31.6408, 20.0648



45.3384, 26.5454, 12.2717



56.1788, 47.9235, 18.6035



18.0817, 18.0160, 19.0472



21.6641, 11.1549, 1.6158



2.1324, 1.0953, 0.2784

Inverse Universe

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



48.6799, 31.6408, 20.0648



45.3384, 26.5454, 12.2717



42.2837, 47.9760, 100.7973



18.0817, 18.0160, 19.0472



21.6641, 11.1549, 1.6158



2.1324, 1.0953, 0.2784

Previews

White Background



This preview shows how the XYZ color 48.6791, 31.6391, 20.0643 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 48.6791, 31.6391, 20.0643 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 48.6791, 31.6391, 20.0643

Background



This preview shows how black text looks on a background with the XYZ color 48.6791, 31.6391, 20.0643.



This preview shows how white text looks on a background with the XYZ color 48.6791, 31.6391,

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

48.6791, 31.6391, 20.0643

Protanopia

30.2599, 31.7209, 29.3388

Deuteranopia

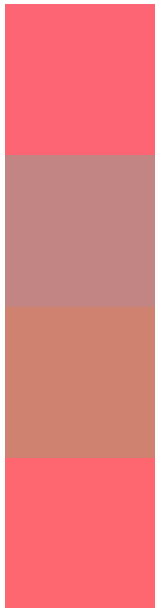
32.3306, 31.6070, 18.8647



Tritanopia

48.3847, 31.6777, 18.0322

Trichromacy



Original Color

48.6791, 31.6391, 20.0643

Protanomaly

34.7324, 29.8831, 25.4101

Deuteranomaly

36.9197, 30.5450, 19.2791

Tritanomaly

48.5491, 31.7434, 18.8975

Monochromacy



Original Color

48.6791, 31.6391, 20.0643

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

33.0538, 28.5750, 27.0659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6791, 31.6391, 20.0643 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(254, 101, 116)` looks like.

```
.text, #text, p{  
    color:rgb(254, 101, 116)  
}
```

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(254, 101, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 101, 116) }
```

Border

The CSS property to change the border of an element to XYZ 48.6791, 31.6391, 20.0643 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(254, 101, 116) }
```


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

```
.border{ border-color:rgb(254, 101, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 101, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 101, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 101, 116);  
box-shadow:4px 4px 4px 4px rgb(254, 101,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6791, 31.6391, 20.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 101, 116) }
```

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

```
.background{ background-color: rgb(254,  
101, 116) }
```

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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