

Converting Colors

XYZ(75.2453, 47.5625, 20.0548)

Have a look what the booklet for
XYZ(75.2453, 47.5625, 20.0548)
contains.

XYZ(50.1852, 34.6473, 18.7944)	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(50.1852, 34.6473,
18.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	FF736E
RGB	255, 115, 110
RGB Percent	100%, 45%, 43%
CMY	0.0000, 0.5490, 0.5686
CMYK	0.00, 0.55, 0.57, 0.00
HSL	2°, 100%, 72%
HSV	2°, 57%, 100%
XYZ	50.1852, 34.6473, 18.7944
YIQ	156.2900, 85.0450, 28.1250

Conversions

Conversions Part 2

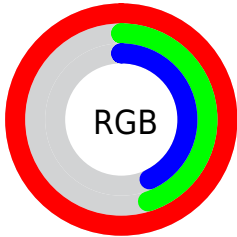
Format	Color
R_{YB}	255, 115, 110
Decimal	16741230
CIE Lab	65.47, 52.95, 29.11
CIE LCh	65, 60.424, 28.804
Yxy	34.6473, 0.4843, 0.3343
Android (android.graphics.Color)	4294931310 (0xFFFF736E)
YUV	156.2900, -22.8210, 86.5687
Hunter-Lab	58.8620, 49.1791, 22.2723

Details

The XYZ color **50.1852, 34.6473, 18.7944** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.6634, 78.9010, 106.7447**, and the grayscale version is **31.8029, 33.4591, 36.4370**.

A 20% lighter version of the original color is **62.3245, 52.9945, 41.1265**, and **24.4777, 14.9170, 6.1466** is the 20% darker color. If you saturate the color by 10%, you get **46.5488, 29.2861, 11.6902**, and if you desaturate by 10%, it is **54.9721, 41.6710, 28.2530**.

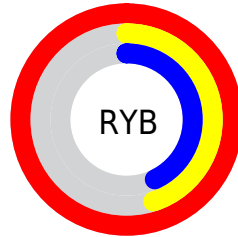
Distribution



Red (100%)

Green (45%)

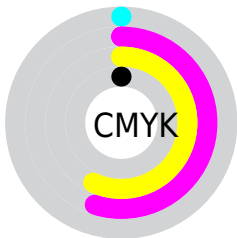
Blue (43%)



Red (100%)

Yellow (45%)

Blue (43%)

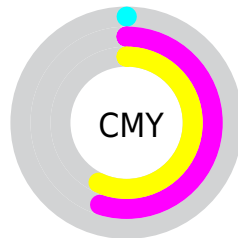


Cyan (0%)

Magenta (55%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1852, 34.6473, 18.7944 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 50.1852, 34.6473, 18.7944 by changing the saturation by 10% instead.


 50.1852, 34.6473,
18.7944


 50.1852, 34.6473,
18.7944


377.8298,
323.0088, 257.6962

 35.7790, 23.3913,
11.3465


 89.6394, 66.9390,
42.2185


 24.4329, 14.8827,
6.1833


 115.4181, 88.7435,
59.0317

 15.7815, 8.7371,
2.8863


 145.7183,
114.8330, 79.8038

 9.4595, 4.5701,
1.0369

 180.9054,
145.5919, 104.9533

 5.1016, 1.9973,
0.0000

221.3447,
181.4045, 134.8988

 2.3424, 0.6059,
0.0000

267.4017,

 0.8162, 0.0000,

222.6552, 170.0587

0.0000

319.4416,
269.7285, 210.8516

■ 0.0000, 0.0000,
0.0000

■ 50.1852, 34.6473,
18.7944

■ 50.1852, 34.6473,
18.7944

■ 46.5488, 29.2861,
11.6902

■ 54.9721, 41.6710,
28.2530

■ 43.9640, 25.4453,
6.7321

■ 60.9926, 50.4727,
40.2462

■ 42.3195, 22.9689,
3.6789

■ 68.3250, 61.1642,
54.9388

■ 41.4769, 21.6639,
2.2252

■ 77.0402, 73.8467,
72.4812

■ 41.3354, 21.4511,
1.9619

■ 87.2042, 88.6139,
93.0129

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



53.0172, 34.6473, 38.7500



50.1852, 34.6473, 18.7944



42.5438, 34.6473, 9.5252

Triad

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



50.1852, 34.6473, 18.7944



20.4257, 34.6473, 17.7102



32.5778, 34.6473, 110.3294

Complementary

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



50.1852, 34.6473, 18.7944



58.6634, 78.9010, 106.7447

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.



24.8880, 34.6473, 96.5704



50.1852, 34.6473, 18.7944



18.6923, 34.6473, 36.7182

Square

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



50.1852, 34.6473, 18.7944



25.4012, 34.6473, 9.1252



20.1688, 34.6473, 66.3785



41.8192, 34.6473, 98.4839

Rectangle

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



50.1852, 34.6473, 18.7944



36.3432, 34.6473, 7.2860



20.1688, 34.6473, 66.3785



29.7398, 34.6473, 108.4670

Sweetspot

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



50.1860, 34.6492, 18.7950



76.9108, 73.6584, 72.2200



64.0972, 39.3245, 94.7912



16.0637, 15.1866, 14.6550



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.



50.1860, 34.6492, 18.7950



46.2039, 28.7752, 11.0220



61.8954, 58.0680, 22.6981



18.0597, 18.0875, 18.6837



21.6205, 11.2522, 1.0324



2.1220, 1.1294, 0.1062

Inverse Universe

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



58.6634, 78.9010, 106.7447



55.3741, 76.7543, 106.5043



40.3346, 42.2434, 100.6351



18.4979, 20.3674, 23.2063



26.7062, 38.3221, 55.4239



2.6165, 3.7636, 5.4018

Previews

White Background



This preview shows how the XYZ color 50.1852, 34.6473, 18.7944 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 50.1852, 34.6473, 18.7944 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 50.1852, 34.6473, 18.7944

Background



This preview shows how black text looks on a background with the XYZ color 50.1852, 34.6473, 18.7944.



This preview shows how white text looks on a background with the XYZ color 50.1852, 34.6473,

18.7944.

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

50.1852, 34.6473, 18.7944

Protanopia

32.7228, 34.8163, 25.7644

Deuteranopia

35.4652, 34.6624, 17.9180



Tritanopia

50.7085, 34.6751, 22.1095

Trichromacy



Original Color

50.1852, 34.6473, 18.7944

Protanomaly

37.1547, 33.3294, 22.8873

Deuteranomaly

39.8585, 33.9529, 18.0885

Tritanomaly

50.4682, 34.5790, 20.8441

Monochromacy



Original Color

50.1852, 34.6473, 18.7944

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.9233, 32.1203, 28.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1852, 34.6473, 18.7944 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, 115, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 110)  
}
```

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, 115, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 110) }
```

Border

The CSS property to change the border of an element to XYZ 50.1852, 34.6473, 18.7944 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, 115, 110) }
```


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

```
.border{ border-color:rgb(255, 115, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1852, 34.6473, 18.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 110) }
```

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

```
.background{ background-color: rgb(255,  
115, 110) }
```

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