

Converting Colors

XYZ(50.3816, 34.6380, 20.1003)

Have a look what the booklet for
XYZ(50.3816, 34.6380, 20.1003)
contains.

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Color

**XYZ(50.4652, 34.7593,
20.2691)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7373
RGB	255, 115, 115
RGB Percent	100%, 45%, 45%
CMY	0.0000, 0.5490, 0.5490
CMYK	0.00, 0.55, 0.55, 0.00
HSL	0°, 100%, 73%
HSV	0°, 55%, 100%
XYZ	50.4652, 34.7593, 20.2691
YIQ	156.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

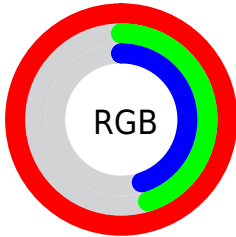
Format	Color
R_{YB}	255, 115, 115
Decimal	16741235
CIE _{Lab}	65.56, 53.32, 26.43
CIE _{LCh}	66, 59.509, 26.363
Yxy	34.7593, 0.4784, 0.3295
Android (android.graphics.Color)	4294931315 (0xFFFF7373)
YUV	156.8600, -20.6370, 86.0688
Hunter-Lab	58.9570, 49.6151, 20.8863

Details

The XYZ color **50.4652, 34.7593, 20.2691** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **60.8775, 82.3794, 107.2994**, and the grayscale version is **32.0497, 33.7188, 36.7198**.

A 20% lighter version of the original color is **62.7780, 53.1758, 43.5144**, and **24.6213, 14.9744, 6.9029** is the 20% darker color. If you saturate the color by 10%, you get **46.6790, 29.2196, 12.7416**, and if you desaturate by 10%, it is **55.4628, 42.0729, 30.2027**.

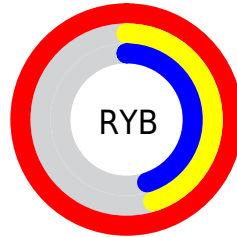
Distribution



Red (100%)

Green (45%)

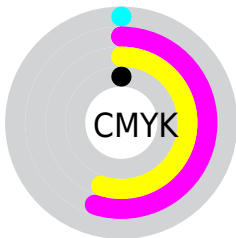
Blue (45%)



Red (100%)

Yellow (45%)

Blue (45%)

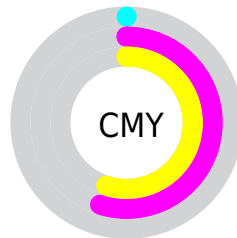


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4652, 34.7593, 20.2691 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 50.4652, 34.7593, 20.2691 by changing the saturation by 10% instead.


 50.4652, 34.7593,
20.2691


 50.4652, 34.7593,
20.2691


378.9044,
323.5046, 266.0205

 36.0025, 23.4775,
12.4048


 90.0515, 67.1127,
44.7328

 24.6062, 14.9465,
6.8941


 115.9057, 88.9531,
62.1692

 15.9111, 8.7818,
3.3185

 146.2879,
115.0819, 83.6335

 9.5517, 4.5992,
1.2595

181.5632,
145.8834, 109.5440

 5.1627, 2.0141,
0.0282

222.0972,
181.7420, 140.3195

 2.3788, 0.6156,
0.0000

268.2552,

 0.8345, 0.0000,

223.0422, 176.3783

0.0000

320.4024,
270.1682, 218.1392

■ 0.0000, 0.0000,
0.0000

■ 50.4652, 34.7593,
20.2691

■ 50.4652, 34.7593,
20.2691

■ 46.6790, 29.2196,
12.7416

■ 55.4628, 42.0729,
30.2027

■ 43.9992, 25.2982,
7.4147

■ 61.7600, 51.2876,
42.7212

■ 42.3074, 22.8223,
4.0517

■ 69.4399, 62.5255,
57.9885

■ 41.4565, 21.5772,
2.3606

■ 78.5778, 75.8969,
76.1542

■ 41.2399, 21.2602,
1.9300

■ 89.2437, 91.5040,
97.3576

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



52.7688, 34.7593, 40.9776



50.4652, 34.7593, 20.2691



43.2297, 34.7593, 10.2826

Triad

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



50.4652, 34.7593, 20.2691



20.9457, 34.7593, 16.9829



31.9847, 34.7593, 108.9011

Complementary

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



50.4652, 34.7593, 20.2691



60.8775, 82.3794, 107.2994

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.



24.5884, 34.7593, 93.5998



50.4652, 34.7593, 20.2691



18.9635, 34.7593, 34.8799

Square

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



50.4652, 34.7593, 20.2691



26.1337, 34.7593, 9.0562



20.1700, 34.7593, 63.4436



41.0616, 34.7593, 99.2855

Rectangle

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



50.4652, 34.7593, 20.2691



37.1532, 34.7593, 7.7236



20.1700, 34.7593, 63.4436



29.2378, 34.7593, 106.3763

Sweetspot

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



50.4661, 34.7612, 20.2697



77.5010, 74.3208, 74.0129



65.4205, 40.7415, 99.0230



16.1668, 15.2909, 15.0038



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.



50.4661, 34.7612, 20.2697



46.3328, 28.7126, 12.0528



61.6833, 57.1957, 24.0088



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



60.8775, 82.3794, 107.2994



57.7095, 80.7459, 107.1516



42.4693, 45.5629, 101.1633



18.5549, 20.4813, 23.2253



28.1146, 41.1387, 55.8934



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 50.4652, 34.7593, 20.2691 looks on a white background.

Color Contrast Check

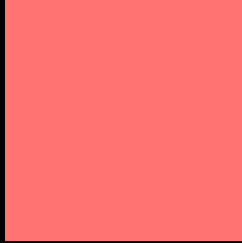
Large Text (above 18pt) WCAG AA × Fail

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 50.4652, 34.7593, 20.2691 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 50.4652, 34.7593, 20.2691

Background



This preview shows how black text looks on a background with the XYZ color 50.4652, 34.7593, 20.2691.



This preview shows how white text looks on a background with the XYZ color 50.4652, 34.7593,

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

50.4652, 34.7593, 20.2691

Protanopia

32.9198, 34.8704, 27.9173

Deuteranopia

35.6374, 34.9630, 19.3382



Tritanopia

50.7702, 34.6998, 22.4342

Trichromacy



Original Color

50.4652, 34.7593, 20.2691

Protanomaly

37.5382, 33.4828, 24.9064

Deuteranomaly

39.8334, 33.9091, 19.4846

Tritanomaly

50.5871, 34.6265, 21.4701

Monochromacy



Original Color

50.4652, 34.7593, 20.2691

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

36.5478, 32.6365, 29.9644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4652, 34.7593, 20.2691 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, 115)` looks like.

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

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, 115) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 50.4652, 34.7593, 20.2691 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, 115) }
```


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

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

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, 115)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 50.4652, 34.7593, 20.2691 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, 115) }
```

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

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

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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