

Converting Colors

XYZ(50.8683, 35.3496, 21.0688)

Have a look what the booklet for
XYZ(50.8683, 35.3496, 21.0688)
contains.

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Color

**XYZ(50.8122, 35.2669,
20.9587)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7575
RGB	255, 117, 117
RGB Percent	100%, 46%, 46%
CMY	0.0000, 0.5411, 0.5412
CMYK	0.00, 0.54, 0.54, 0.00
HSL	0°, 100%, 73%
HSV	0°, 54%, 100%
XYZ	50.8122, 35.2669, 20.9587
YIQ	158.2620, 82.2480, 29.2560

Conversions

Conversions Part 2

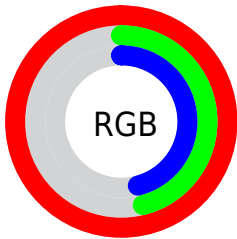
Format	Color
R _Y B	255, 117, 117
Decimal	16741749
CIE Lab	65.96, 52.54, 25.83
CIE LCh	66, 58.547, 26.175
Yxy	35.2669, 0.4747, 0.3295
Android (android.graphics.Color)	4294931829 (0xFFFF7575)
YUV	158.2620, -20.3422, 84.8392
Hunter-Lab	59.3859, 48.8040, 20.6453

Details

The XYZ color **50.8122, 35.2669, 20.9587** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **61.1438, 82.5171, 107.3123**, and the grayscale version is **32.6828, 34.3849, 37.4451**.

A 20% lighter version of the original color is **63.3450, 54.0117, 44.6228**, and **24.7891, 15.2124, 7.2600** is the 20% darker color. If you saturate the color by 10%, you get **46.9347, 29.5935, 13.2496**, and if you desaturate by 10%, it is **55.9087, 42.7252, 31.0889**.

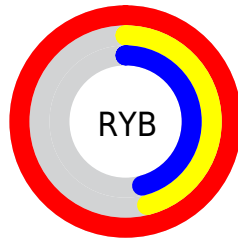
Distribution



Red (100%)

Green (46%)

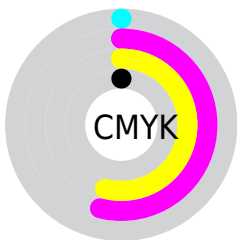
Blue (46%)



Red (100%)

Yellow (46%)

Blue (46%)

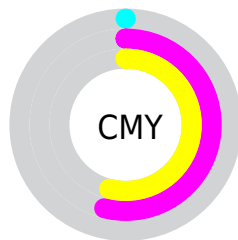


Cyan (0%)

Magenta (54%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8122, 35.2669, 20.9587 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 50.8122, 35.2669, 20.9587 by changing the saturation by 10% instead.


 50.8122, 35.2669,
20.9587

 50.8122, 35.2669,
20.9587


380.2334,
325.7448, 269.8328

 36.2796, 23.8685,
12.9029


 90.5618, 67.8990,
45.8987

 24.8213, 15.2361,
7.2318

 116.5094, 89.9016,
63.6199

 16.0720, 8.9853,
3.5268


 146.9928,
116.2077, 85.4000

 9.6663, 4.7316,
1.3695

182.3773,
147.2017, 111.6576

 5.2388, 2.0906,
0.1178

223.0283,
183.2680, 142.8111

 2.4243, 0.6594,
0.0000

269.3111,

 0.8572, 0.0000,

224.7911, 179.2791

0.0000

321.5910,
272.1552, 221.4801

■ 0.0000, 0.0000,
0.0000

■ 50.8122, 35.2669,
20.9587

■ 50.8122, 35.2669,
20.9587

■ 46.9347, 29.5935,
13.2496

■ 55.9087, 42.7252,
31.0889

■ 44.1721, 25.5510,
7.7581

■ 62.3115, 52.0944,
43.8173

■ 42.4076, 22.9689,
4.2508

■ 70.1031, 63.4958,
59.3066

■ 41.4971, 21.6365,
2.4411

■ 79.3584, 77.0389,
77.7057

■ 41.2400, 21.2602,
1.9300

■ 90.1469, 92.8255,
99.1530

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.



53.0506, 35.2669, 41.6726



50.8122, 35.2669, 20.9587



43.6797, 35.2669, 10.8302

Triad

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



50.8122, 35.2669, 20.9587



21.4936, 35.2669, 17.4869



32.4206, 35.2669, 108.4255

Complementary

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



50.8122, 35.2669, 20.9587



61.1438, 82.5171, 107.3123

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.



25.0723, 35.2669, 93.2657



50.8122, 35.2669, 20.9587



19.4893, 35.2669, 35.3027

Square

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



50.8122, 35.2669, 20.9587



26.6928, 35.2669, 9.5177



20.6774, 35.2669, 63.5368



41.4224, 35.2669, 99.1382

Rectangle

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



50.8122, 35.2669, 20.9587



37.6625, 35.2669, 8.1981



20.6774, 35.2669, 63.5368



29.6932, 35.2669, 105.8955

Sweetspot

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



50.8131, 35.2688, 20.9593



77.5009, 74.3208, 74.0129



65.6512, 41.2027, 99.1002



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.



50.8131, 35.2688, 20.9593



46.6476, 29.1734, 12.6787



62.0098, 57.6623, 24.6916



18.0095, 17.9872, 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.



61.1438, 82.5171, 107.3123



57.9511, 80.8707, 107.1630



42.9452, 46.1199, 101.2461



18.5549, 20.4813, 23.2253



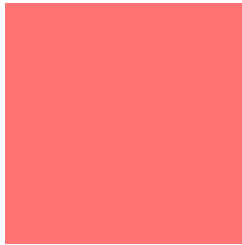
28.1147, 41.1390, 55.8934



2.7375, 4.0056, 5.4422

Previews

White Background



This preview shows how the XYZ color 50.8122, 35.2669, 20.9587 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 50.8122, 35.2669, 20.9587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

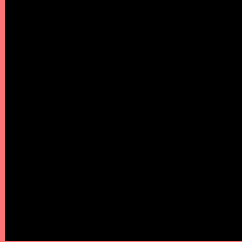
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8122, 35.2669, 20.9587

Background



This preview shows how black text looks on a background with the XYZ color 50.8122, 35.2669, 20.9587.



This preview shows how white text looks on a background with the XYZ color 50.8122, 35.2669,

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

50.8122, 35.2669, 20.9587

Protanopia

33.4483, 35.3828, 28.7336

Deuteranopia

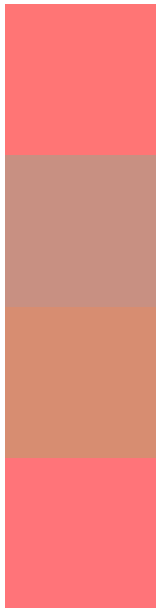
36.1631, 35.4654, 19.9784



Tritanopia

51.1235, 35.2060, 23.1697

Trichromacy



Original Color

50.8122, 35.2669, 20.9587

Protanomaly

37.8219, 33.8376, 25.6570

Deuteranomaly

40.5298, 34.6891, 20.1823

Tritanomaly

50.9366, 35.1313, 22.1855

Monochromacy



Original Color

50.8122, 35.2669, 20.9587

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.7727, 32.9655, 30.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8122, 35.2669, 20.9587 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, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 117)  
}
```

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, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 117) }
```

Border

The CSS property to change the border of an element to XYZ 50.8122, 35.2669, 20.9587 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, 117, 117) }
```


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

```
.border{ border-color:rgb(255, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8122, 35.2669, 20.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 117) }
```

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

```
.background{ background-color: rgb(255,  
117, 117) }
```

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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