

Converting Colors

XYZ(50.9450, 34.0032, 25.7180)

Have a look what the booklet for
XYZ(50.9450, 34.0032, 25.7180)
contains.

XYZ(50.9808, 34.0778, 25.7205)	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(50.9808, 34.0778,
25.7205)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E84
RGB	255, 110, 132
RGB Percent	100%, 43%, 52%
CMY	0.0000, 0.5686, 0.4823
CMYK	0.00, 0.57, 0.48, 0.00
HSL	351°, 100%, 72%
HSV	351°, 57%, 100%
XYZ	50.9808, 34.0778, 25.7205
YIQ	155.8630, 79.3580, 37.5820

Conversions

Conversions Part 2

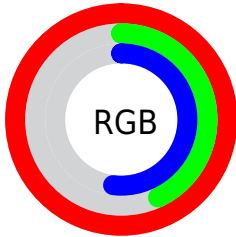
Format	Color
R_{YB}	255, 110, 132
Decimal	16739972
CIE Lab	65.02, 57.01, 16.06
CIE LCh	65, 59.227, 15.737
Yxy	34.0778, 0.4602, 0.3076
Android (android.graphics.Color)	4294930052 (0xFFFF6E84)
YUV	155.8630, -11.7645, 86.9431
Hunter-Lab	58.3762, 53.7284, 14.7402

Details

The XYZ color **50.9808, 34.0778, 25.7205** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **56.9004, 80.7190, 89.6777**, and the grayscale version is **31.5661, 33.2100, 36.1657**.

A 20% lighter version of the original color is **63.6332, 52.0352, 52.5889**, and **24.8268, 14.5082, 9.6755** is the 20% darker color. If you saturate the color by 10%, you get **47.2844, 28.8137, 17.9268**, and if you desaturate by 10%, it is **55.7772, 41.0510, 35.3957**.

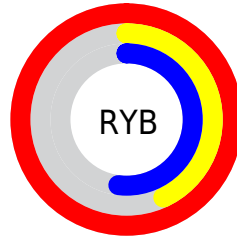
Distribution



Red (100%)

Green (43%)

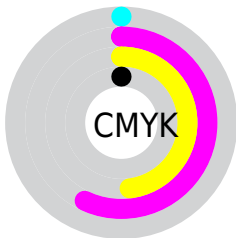
Blue (52%)



Red (100%)

Yellow (43%)

Blue (52%)

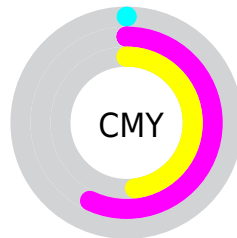


Cyan (0%)

Magenta (57%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9808, 34.0778, 25.7205 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 50.9808, 34.0778, 25.7205 by changing the saturation by 10% instead.


 50.9808, 34.0778,
25.7205


 50.9808, 34.0778,
25.7205


380.8781,
320.4788, 294.9690

 36.4143, 22.9534,
16.3908


 90.8096, 66.0546,
53.8022

 24.9259, 14.5591,
9.6438


 116.8025, 87.6758,
73.3913

 16.1503, 8.5105,
5.0609

 147.3350,
113.5647, 97.2373

 9.7221, 4.4233,
2.2237

182.7724,
144.1058, 125.7587

 5.2759, 1.9131,
0.6880

223.4801,
179.6833, 159.3740

 2.4465, 0.5562,
0.0000

269.8233,

 0.8683, 0.0000,

220.6817, 198.5018

0.0000

322.1675,
267.4854, 243.5606

■ 0.0000, 0.0000,
0.0000

■ 50.9808, 34.0778,
25.7205

■ 50.9808, 34.0778,
25.7205

■ 47.2844, 28.8137,
17.9268

■ 55.7772, 41.0510,
35.3957

■ 44.5964, 25.1056,
11.8887

■ 61.7502, 49.8582,
47.0631

■ 42.8142, 22.7826,
7.4676

■ 68.9724, 60.6189,
60.8270

■ 41.8096, 21.6269,
4.5014

■ 77.5098, 73.4409,
76.7838

■ 41.6008, 21.4043,
3.8305

■ 87.4237, 88.4241,
95.0238

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.



51.1294, 34.0778, 49.9891



50.9808, 34.0778, 25.7205



45.3064, 34.0778, 12.5306

Triad

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



50.9808, 34.0778, 25.7205



21.9641, 34.0778, 12.9514



28.4972, 34.0778, 104.2120

Complementary

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



50.9808, 34.0778, 25.7205



56.9004, 80.7190, 89.6777

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.



22.1962, 34.0778, 82.2024



50.9808, 34.0778, 25.7205



18.9003, 34.0778, 26.6498

Square

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



50.9808, 34.0778, 25.7205



28.1230, 34.0778, 7.6954



18.9770, 34.0778, 51.4330



37.0680, 34.0778, 103.5878

Rectangle

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



50.9808, 34.0778, 25.7205



39.6443, 34.0778, 8.5672



18.9770, 34.0778, 51.4330



26.0793, 34.0778, 98.9023

Sweetspot

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



50.9817, 34.0796, 25.7211



77.3805, 73.2459, 76.5439



56.5284, 35.3351, 98.4485



16.1731, 15.0911, 15.6601



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.



50.9817, 34.0796, 25.7211



46.9287, 28.3150, 17.1518



56.3396, 46.9554, 20.8482



18.1216, 18.0320, 19.2578



21.7707, 11.1976, 2.1769



2.1511, 1.1028, 0.3772

Inverse Universe

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



50.9817, 34.0796, 25.7211



46.9287, 28.3150, 17.1518



46.7142, 55.0011, 102.7617



18.1216, 18.0320, 19.2578



21.7707, 11.1976, 2.1769



2.1511, 1.1028, 0.3772

Previews

White Background



This preview shows how the XYZ color 50.9808, 34.0778, 25.7205 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 50.9808, 34.0778, 25.7205 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 50.9808, 34.0778, 25.7205

Background



This preview shows how black text looks on a background with the XYZ color 50.9808, 34.0778, 25.7205.



This preview shows how white text looks on a background with the XYZ color 50.9808, 34.0778,

25.7205.

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

50.9808, 34.0778, 25.7205

Protanopia

32.7557, 34.0913, 36.3064

Deuteranopia

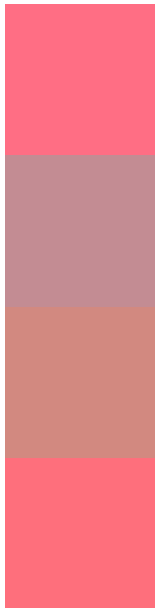
34.9375, 34.2514, 24.1718



Tritanopia

50.0574, 34.0152, 21.6966

Trichromacy



Original Color

50.9808, 34.0778, 25.7205

Protanomaly

37.1502, 32.4649, 31.9121

Deuteranomaly

39.4203, 33.1515, 24.7433

Tritanomaly

50.1956, 33.8949, 22.9656

Monochromacy



Original Color

50.9808, 34.0778, 25.7205

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

36.2373, 31.7783, 31.8277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9808, 34.0778, 25.7205 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, 110, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 132)  
}
```

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, 110, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 132) }
```

Border

The CSS property to change the border of an element to XYZ 50.9808, 34.0778, 25.7205 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, 110, 132) }
```


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

```
.border{ border-color:rgb(255, 110, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9808, 34.0778, 25.7205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 132) }
```

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

```
.background{ background-color: rgb(255,  
110, 132) }
```

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