

Converting Colors

XYZ(56.2712, 34.5541, 58.6343)

Have a look what the booklet for
XYZ(56.2712, 34.5541, 58.6343)
contains.

XYZ(56.2225, 34.5445, 58.3481)	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(56.2225, 34.5445,
58.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64C8
RGB	255, 100, 200
RGB Percent	100%, 39%, 78%
CMY	0.0000, 0.6078, 0.2157
CMYK	0.00, 0.61, 0.22, 0.00
HSL	321°, 100%, 70%
HSV	321°, 61%, 100%
XYZ	56.2225, 34.5445, 58.3481
YIQ	157.7450, 60.2800, 63.9600

Conversions

Conversions Part 2

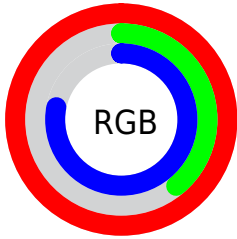
Format	Color
R _{YB}	255, 100, 200
Decimal	16737480
CIE Lab	65.39, 68.89, -22.12
CIE LCh	65, 72.355, 342.201
Yxy	34.5445, 0.3770, 0.2317
Android (android.graphics.Color)	4294927560 (0xFFFF64C8)
YUV	157.7450, 20.8317, 85.2926
Hunter-Lab	58.7746, 67.8938, -17.7176

Details

The XYZ color **56.2225, 34.5445, 58.3481** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.9335, 76.5966, 43.3248**, and the grayscale version is **32.2750, 33.9558, 36.9779**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **28.2950, 14.8795, 28.5748** is the 20% darker color. If you saturate the color by 10%, you get **53.1215, 29.9852, 52.2504**, and if you desaturate by 10%, it is **60.1529, 40.6622, 65.0319**.

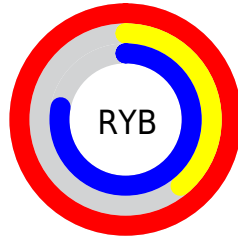
Distribution



Red (100%)

Green (39%)

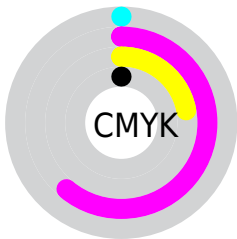
Blue (78%)



Red (100%)

Yellow (39%)

Blue (78%)

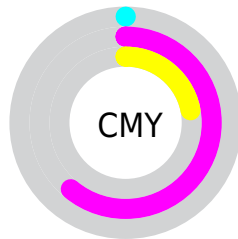


Cyan (0%)

Magenta (61%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2225, 34.5445, 58.3481 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 56.2225, 34.5445, 58.3481 by changing the saturation by 10% instead.


 56.2225, 34.5445,
58.3481

 56.2225, 34.5445,
58.3481


400.5909,
322.5532, 436.1162


 40.6190, 23.3122,
41.6720


 98.4677, 66.7795,
103.9494


 28.2079, 14.8242,
28.5209


 125.8402, 88.5510,
133.7117

 18.6237, 8.6961,
18.4762


 157.8665,
114.6044, 168.6731

 11.5011, 4.5435,
11.1195

 194.9118,
145.3241, 209.2522

 6.4747, 1.9820,
6.0321

237.3415,
181.0944, 255.8675

 3.1792, 0.5970,
2.7955

285.5211,

 1.2492, 0.0000,

222.2997, 308.9376

0.9912

339.8157,
269.3245, 368.8810

■ 0.1447, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2225, 34.5445,
58.3481

■ 56.2225, 34.5445,
58.3481

■ 53.1215, 29.9852,
52.2504

■ 60.1529, 40.6622,
65.0319

■ 50.7721, 26.8307,
46.7063

■ 64.9757, 48.4630,
72.3268

■ 49.0853, 24.9047,
41.6813

■ 70.7507, 58.0646,
80.2581

■ 47.9872, 23.9589,
37.4603

■ 77.5313, 69.5725,
88.8486

85.3672, 83.0843,
98.1196

94.3044, 98.6905,
108.0912

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.4572, 34.5445, 99.2702



56.2225, 34.5445, 58.3481



56.9608, 34.5445, 26.6088

Triad

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



56.2225, 34.5445, 58.3481



28.7247, 34.5445, 4.5910



19.9666, 34.5445, 91.7918

Complementary

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



56.2225, 34.5445, 58.3481



46.9335, 76.5966, 43.3248

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.



16.7113, 34.5445, 51.2968



56.2225, 34.5445, 58.3481



20.9908, 34.5445, 8.8798

Square

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



56.2225, 34.5445, 58.3481



39.4431, 34.5445, 4.9626



17.0409, 34.5445, 22.4842



27.0069, 34.5445, 124.6519

Rectangle

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



56.2225, 34.5445, 58.3481



53.1980, 34.5445, 14.3481



17.0409, 34.5445, 22.4842



18.4689, 34.5445, 77.9144

Sweetspot

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



56.2234, 34.5461, 58.3487



79.6025, 73.1250, 91.3576



35.9831, 23.2311, 97.1953



16.5748, 14.8569, 18.9926



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.



56.2234, 34.5461, 58.3487



52.5381, 29.1695, 50.9734



49.3893, 31.8125, 22.3607



18.5029, 18.1845, 21.2656



25.1480, 12.5485, 19.9619



2.5006, 1.2426, 2.2176

Inverse Universe

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



56.2234, 34.5461, 58.3487



52.5381, 29.1695, 50.9734



55.5466, 80.0419, 88.6808



18.5029, 18.1845, 21.2656



25.1480, 12.5485, 19.9619



2.5006, 1.2426, 2.2176

Previews

White Background



This preview shows how the XYZ color 56.2225, 34.5445, 58.3481 looks on a white background.

Color Contrast Check

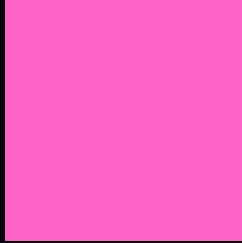
Large Text (above 18pt) WCAG AA × Fail

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 56.2225, 34.5445, 58.3481 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 56.2225, 34.5445, 58.3481

Background



This preview shows how black text looks on a background with the XYZ color 56.2225, 34.5445, 58.3481.

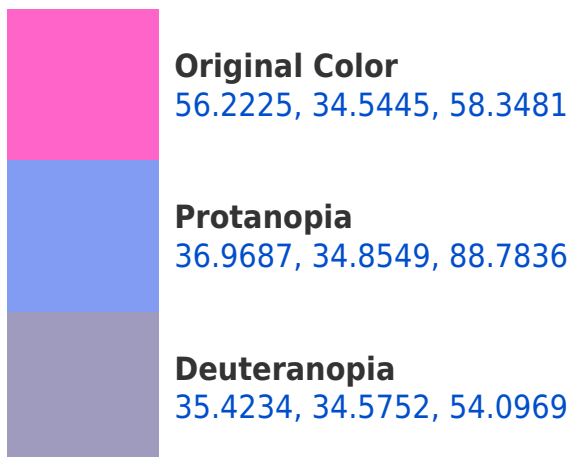


This preview shows how white text looks on a background with the XYZ color 56.2225, 34.5445,

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





Tritanopia

48.9557, 34.4197, 23.8021

Trichromacy



Original Color

56.2225, 34.5445, 58.3481



Protanomaly

40.3485, 32.2683, 76.7749



Deuteranomaly

40.6497, 32.6923, 55.2067



Tritanomaly

51.2179, 34.1780, 34.0345

Monochromacy



Original Color

56.2225, 34.5445, 58.3481



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.4808, 32.2459, 43.7311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2225, 34.5445, 58.3481 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, 100, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 200)  
}
```

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, 100, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 200) }
```

Border

The CSS property to change the border of an element to XYZ 56.2225, 34.5445, 58.3481 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, 100, 200) }
```


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

```
.border{ border-color:rgb(255, 100, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2225, 34.5445, 58.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 200) }
```

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

```
.background{ background-color: rgb(255,  
100, 200) }
```

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