

Converting Colors

XYZ(34.6185, 25.2419, 55.1525)

Have a look what the booklet for
XYZ(34.6185, 25.2419, 55.1525)
contains.

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Color

**XYZ(34.5804, 25.2772,
55.2809)**

Conversions

Conversions Part 1

Format	Color
Hex	B470C4
RGB	180, 112, 196
RGB Percent	71%, 44%, 77%
CMY	0.2941, 0.5608, 0.2314
CMYK	0.08, 0.43, 0.00, 0.23
HSL	289°, 42%, 60%
HSV	289°, 43%, 77%
XYZ	34.5804, 25.2772, 55.2809
YIQ	141.9080, 13.5640, 40.5400

Conversions

Conversions Part 2

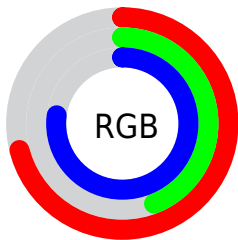
Format	Color
R _Y B	180, 112, 196
Decimal	11825348
CIE Lab	57.34, 40.80, -33.10
CIE LCh	57, 52.539, 320.955
Yxy	25.2772, 0.3003, 0.2195
Android (android.graphics.Color)	4290015428 (0xFFB470C4)
YUV	141.9080, 26.6674, 33.4067
Hunter-Lab	50.2764, 34.7895, -29.9982

Details

The XYZ color **34.5804, 25.2772, 55.2809** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **31.5674, 45.2395, 22.3987**, and the grayscale version is **25.5698, 26.9015, 29.2957**.

A 20% lighter version of the original color is **66.1098, 52.0066, 99.4824**, and **15.0087, 9.6505, 26.6629** is the 20% darker color. If you saturate the color by 10%, you get **31.7914, 20.9715, 54.5972**, and if you desaturate by 10%, it is **37.8653, 30.5385, 56.1237**.

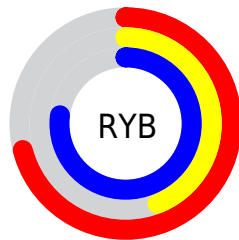
Distribution



Red (71%)

Green (44%)

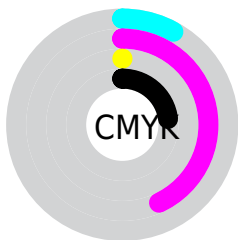
Blue (77%)



Red (71%)

Yellow (44%)

Blue (77%)

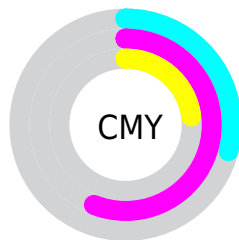


Cyan (8%)

Magenta (43%)

Yellow (0%)

Black (23%)



Cyan (29%)


Magenta (56%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5804, 25.2772, 55.2809 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 34.5804, 25.2772, 55.2809 by changing the saturation by 10% instead.

 34.5804, 25.2772,
55.2809


 34.5804, 25.2772,
55.2809


314.2529,
279.2156, 424.2878

 23.5048, 16.2837,
39.2265


 66.1735, 52.1066,
99.4277

 15.0895, 9.7251,
26.6268


 87.4218, 70.7112,
128.3572

 8.9689, 5.2171,
17.0632


 112.7917, 93.2884,
162.4155

 4.7779, 2.3752,
10.1171

 142.6486,
120.2224, 202.0211

 2.1509, 0.8131,
5.3701

177.3578,
151.8978, 247.5926

 0.7167, 0.0000,
2.4035

217.2847,

 0.0000, 0.0000,

188.6989, 299.5485

0.7883

262.7946,
231.0100, 358.3074

■ 0.0000, 0.0000,
0.0000

■ 34.5804, 25.2772,
55.2809

■ 34.5804, 25.2772,
55.2809

■ 31.7914, 20.9715,
54.5972

■ 37.8653, 30.5385,
56.1237

■ 29.4645, 17.5563,
54.0606

■ 41.6716, 36.8085,
57.1333

■ 27.5660, 14.9635,
53.6602

■ 46.0264, 44.1399,
58.3189

■ 26.0560, 13.1138,
53.3828

■ 50.9538, 52.5812,
59.6885

■ 24.8866, 11.9117,
53.2124

■ 56.4767, 62.1776,
61.2497

■ 24.1962, 11.3226,
53.1351

■ 62.6165, 72.9718,
63.0096

■ 69.3937, 85.0044,
64.9749

■ 72.2645, 89.1877,
65.6311

■ 73.3390, 89.7417,
65.6814

Harmonies

Analogous

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



28.5686, 25.2772, 73.5952



34.5804, 25.2772, 55.2809



37.9020, 25.2772, 33.2755

Triad

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



34.5804, 25.2772, 55.2809



25.9579, 25.2772, 5.6438



14.4855, 25.2772, 41.7042

Complementary

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



34.5804, 25.2772, 55.2809



31.5674, 45.2395, 22.3987

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.



14.0313, 25.2772, 22.4741



34.5804, 25.2772, 55.2809



19.9910, 25.2772, 6.3090

Square

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



34.5804, 25.2772, 55.2809



32.3881, 25.2772, 8.5522



15.8715, 25.2772, 11.0753



17.2422, 25.2772, 63.6867

Rectangle

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



34.5804, 25.2772, 55.2809



37.8081, 25.2772, 21.5046



15.8715, 25.2772, 11.0753



14.0798, 25.2772, 34.5700

Sweetspot

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



34.5813, 25.2783, 55.2814



83.0865, 79.4650, 105.5669



24.4708, 23.0793, 55.3899



17.3881, 16.3380, 22.4871



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.



34.5813, 25.2783, 55.2814



58.0841, 38.7355, 99.0231



35.8915, 26.2578, 41.6056



10.3032, 10.1475, 12.7004



15.6159, 7.3107, 34.1447



0.7243, 0.3414, 1.4776

Inverse Universe

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



32.4562, 24.8837, 23.5155



54.0498, 38.1076, 33.2431



30.9526, 44.7371, 30.7471



10.1498, 10.1085, 10.8796



14.8696, 7.6376, 1.9593



0.6666, 0.3397, 0.2117

Previews

White Background



This preview shows how the XYZ color 34.5804, 25.2772, 55.2809 looks on a white background.

Color Contrast Check

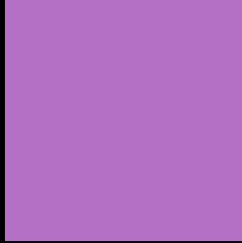
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5804, 25.2772, 55.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

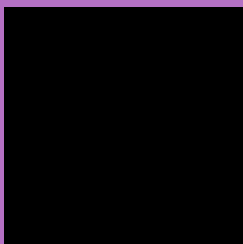
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5804, 25.2772, 55.2809

Background



This preview shows how black text looks on a background with the XYZ color 34.5804, 25.2772, 55.2809.



This preview shows how white text looks on a background with the XYZ color 34.5804, 25.2772,

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

34.5804, 25.2772, 55.2809

Protanopia

27.2364, 25.4855, 67.7737

Deuteranopia

25.9539, 25.3630, 52.8178



Tritanopia

28.5014, 25.0744, 26.2593

Trichromacy



Original Color

34.5804, 25.2772, 55.2809

Protanomaly

28.9662, 24.8837, 62.9509

Deuteranomaly

28.3703, 24.7798, 53.7398

Tritanomaly

30.2578, 24.8659, 35.1031

Monochromacy



Original Color

34.5804, 25.2772, 55.2809

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.3482, 25.9092, 37.6893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5804, 25.2772, 55.2809 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(180, 112, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 112, 196)  
}
```

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(180, 112, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 112, 196) }
```

Border

The CSS property to change the border of an element to XYZ 34.5804, 25.2772, 55.2809 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(180, 112, 196) }
```


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

```
.border{ border-color:rgb(180, 112, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 112, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 112, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 112, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 112,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5804, 25.2772, 55.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 112, 196) }
```

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

```
.background{ background-color: rgb(180,  
112, 196) }
```

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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