

Converting Colors

XYZ(35.6442, 26.7309, 57.9538)

Have a look what the booklet for
XYZ(35.6442, 26.7309, 57.9538)
contains.

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Color

**XYZ(35.7262, 26.8303,
57.9394)**

Conversions

Conversions Part 1

Format	Color
Hex	B476C8
RGB	180, 118, 200
RGB Percent	71%, 46%, 78%
CMY	0.2941, 0.5372, 0.2157
CMYK	0.10, 0.41, 0.00, 0.22
HSL	285°, 43%, 62%
HSV	285°, 41%, 78%
XYZ	35.7262, 26.8303, 57.9394
YIQ	145.8860, 10.6300, 38.6460

Conversions

Conversions Part 2

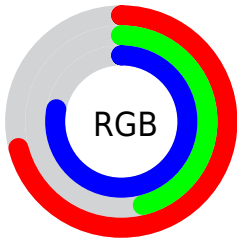
Format	Color
R _Y B	180, 118, 200
Decimal	11826888
CIE _{Lab}	58.82, 38.36, -33.07
CIE _{LCh}	59, 50.648, 319.229
Yxy	26.8303, 0.2965, 0.2227
Android (android.graphics.Color)	4290016968 (0xFFB476C8)
YUV	145.8860, 26.6782, 29.9180
Hunter-Lab	51.7980, 32.4689, -30.0611

Details

The XYZ color **35.7262, 26.8303, 57.9394** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **34.4063, 48.0205, 24.5962**, and the grayscale version is **27.1670, 28.5818, 31.1255**.

A 20% lighter version of the original color is **67.5380, 54.3503, 101.5388**, and **15.8596, 10.6452, 28.4130** is the 20% darker color. If you saturate the color by 10%, you get **32.5005, 22.0345, 57.1842**, and if you desaturate by 10%, it is **39.4931, 32.6476, 58.8641**.

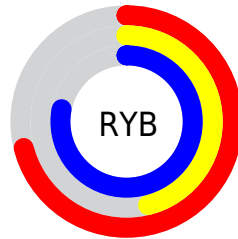
Distribution



Red (71%)

Green (46%)

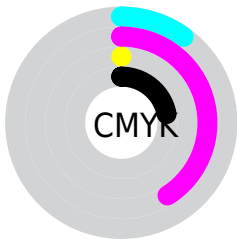
Blue (78%)



Red (71%)

Yellow (46%)

Blue (78%)

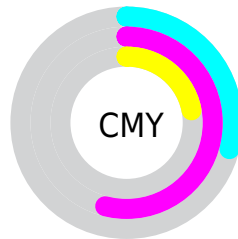


Cyan (10%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7262, 26.8303, 57.9394 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 35.7262, 26.8303, 57.9394 by changing the saturation by 10% instead.

35.7262, 26.8303,
57.9394

35.7262, 26.8303,
57.9394

319.2144,
286.8345, 434.5520

24.3919, 17.4458,
41.3456

67.9359, 54.6114,
103.3485

15.7509, 10.5529,
28.2675

89.5420, 73.7769,
133.0009

9.4378, 5.7670,
18.2866

115.3028, 96.9714,
167.8431

5.0872, 2.7039,
10.9844

145.5837,
124.5795, 208.2938

2.3338, 0.9792,
5.9423

180.7499,
156.9854, 254.7715

0.8119, 0.0000,
2.7418

221.1668,

0.0000, 0.0000,

194.5736, 307.6948

0.9644

267.1999,
237.7285, 367.4821

■ 0.0000, 0.0000,
0.0000

■ 35.7262, 26.8303,
57.9394

■ 35.7262, 26.8303,
57.9394

■ 32.5005, 22.0345,
57.1842

■ 39.4931, 32.6476,
58.8641

■ 29.7809, 18.1929,
56.5860

■ 43.8277, 39.5412,
59.9663

■ 27.5324, 15.2355,
56.1337

■ 48.7583, 47.5662,
61.2554

■ 25.7140, 13.0808,
55.8136

■ 54.3102, 56.7727,
62.7398

■ 24.2771, 11.6322,
55.6097

■ 60.5072, 67.2079,
64.4274

■ 23.2290, 10.7707,
55.4987

■ 67.3720, 78.9163,
66.3255

■ 73.9601, 90.0085,
68.1193

■ 75.4065, 90.7542,
68.1870

■ 76.8960, 91.5220,
68.2567

Harmonies

Analogous

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



29.6669, 26.8303, 75.2388



35.7262, 26.8303, 57.9394



39.2199, 26.8303, 36.1277

Triad

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



35.7262, 26.8303, 57.9394



27.8133, 26.8303, 6.7715



15.7556, 26.8303, 42.0757

Complementary

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



35.7262, 26.8303, 57.9394



34.4063, 48.0205, 24.5962

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.



15.4252, 26.8303, 23.2433



35.7262, 26.8303, 57.9394



21.7453, 26.8303, 7.2794

Square

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



35.7262, 26.8303, 57.9394



34.1801, 26.8303, 10.1343



17.4412, 26.8303, 12.0115



18.4322, 26.8303, 63.7914

Rectangle

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



35.7262, 26.8303, 57.9394



39.2947, 26.8303, 24.0348



17.4412, 26.8303, 12.0115



15.3851, 26.8303, 35.0876

Sweetspot

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



35.7271, 26.8314, 57.9400



83.3606, 80.6185, 105.7751



27.0579, 26.3436, 58.3027



17.5910, 16.8436, 22.5739



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.



35.7271, 26.8314, 57.9400



56.9428, 39.1299, 99.1594



38.4860, 28.5122, 46.3892



10.8206, 10.6813, 13.4089



14.8540, 6.8917, 35.2917



0.7657, 0.3585, 1.6740

Inverse Universe

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



34.8861, 27.0723, 27.4325



55.6205, 39.7950, 38.2486



32.7501, 47.0103, 31.5839



10.7382, 10.6787, 11.6045



15.5249, 7.9595, 2.7081



0.7648, 0.3888, 0.2848

Previews

White Background



This preview shows how the XYZ color 35.7262, 26.8303, 57.9394 looks on a white background.

Color Contrast Check

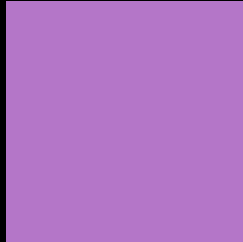
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7262, 26.8303, 57.9394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

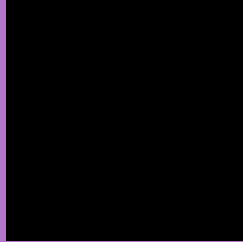
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.7262, 26.8303, 57.9394

Background



This preview shows how black text looks on a background with the XYZ color 35.7262, 26.8303, 57.9394.



This preview shows how white text looks on a background with the XYZ color 35.7262, 26.8303,

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

35.7262, 26.8303, 57.9394

Protanopia

28.6964, 27.0524, 69.3548

Deuteranopia

27.6541, 27.0268, 55.9837



Tritanopia

29.7186, 26.8136, 28.8085

Trichromacy



Original Color

35.7262, 26.8303, 57.9394

Protanomaly

30.3554, 26.3390, 65.1121

Deuteranomaly

29.8309, 26.4630, 56.3589

Tritanomaly

31.4380, 26.5290, 37.6461

Monochromacy



Original Color

35.7262, 26.8303, 57.9394

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.7876, 27.6306, 39.8397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7262, 26.8303, 57.9394 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, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 118, 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(180, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 118, 200) }
```

Border

The CSS property to change the border of an element to XYZ 35.7262, 26.8303, 57.9394 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, 118, 200) }
```


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

```
.border{ border-color:rgb(180, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 118, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 118, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 118,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7262, 26.8303, 57.9394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 118, 200) }
```

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

```
.background{ background-color: rgb(180,  
118, 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](#).

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