

Converting Colors

XYZ(35.8087, 33.8199, 46.0623)

Have a look what the booklet for
XYZ(35.8087, 33.8199, 46.0623)
contains.

XYZ(35.8554, 33.7577, 46.2211)	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(35.8554, 33.7577,
46.2211)**

Conversions

Conversions Part 1

Format	Color
Hex	AC96B1
RGB	172, 150, 177
RGB Percent	67%, 59%, 69%
CMY	0.3255, 0.4117, 0.3059
CMYK	0.03, 0.15, 0.00, 0.31
HSL	289°, 15%, 64%
HSV	289°, 15%, 69%
XYZ	35.8554, 33.7577, 46.2211
YIQ	159.6560, 4.4450, 13.0610

Conversions

Conversions Part 2

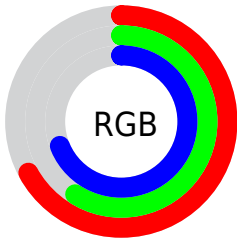
Format	Color
R_{YB}	172, 150, 177
Decimal	11310769
CIE _{Lab}	64.77, 13.13, -11.05
CIE _{LCh}	65, 17.165, 319.916
Yxy	33.7577, 0.3095, 0.2914
Android (android.graphics.Color)	4289500849 (0xFFAC96B1)
YUV	159.6560, 8.5506, 10.8257
Hunter-Lab	58.1014, 8.4781, -6.4957

Details

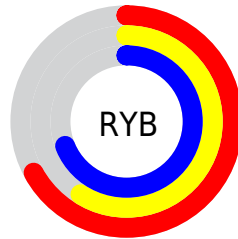
The XYZ color **35.8554, 33.7577, 46.2211** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.7460, 40.6158, 34.8642**, and the grayscale version is **33.2167, 34.9465, 38.0568**.

A 20% lighter version of the original color is **68.2958, 65.5629, 86.1461**, and **15.8457, 14.3720, 21.0077** is the 20% darker color. If you saturate the color by 10%, you get **32.5313, 28.1639, 45.3171**, and if you desaturate by 10%, it is **39.6259, 40.2168, 47.2696**.

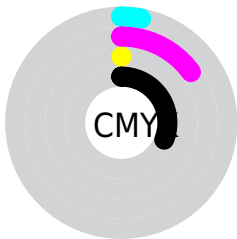
Distribution



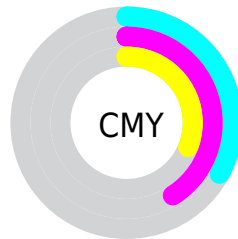
- Red (67%)
- Green (59%)
- Blue (69%)



- Red (67%)
- Yellow (59%)
- Blue (69%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8554, 33.7577, 46.2211 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 35.8554, 33.7577, 46.2211 by changing the saturation by 10% instead.


 35.8554, 33.7577,
46.2211


 35.8554, 33.7577,
46.2211

319.7704,
319.0503, 388.0002

 24.4921, 22.7075,
32.0704


 68.1342, 65.5567,
85.8876

 15.8258, 14.3777,
21.1500


 89.7803, 87.0743,
112.2404

 9.4910, 8.3838,
13.0414


115.5849,
112.8498, 143.4977

 5.1225, 4.3415,
7.3260

145.9131,
143.2677, 180.0780

 2.3548, 1.8664,
3.5853

181.1305,
178.7123, 222.3999

 0.8225, 0.5280,
1.4007

221.6022,

 0.0000, 0.0000,

219.5680, 270.8819

0.1423

267.6937,
266.2192, 325.9425

■ 0.0000, 0.0000,
0.0000

■ 35.8554, 33.7577,
46.2211

■ 35.8554, 33.7577,
46.2211

■ 32.5313, 28.1639,
45.3171

■ 39.6259, 40.2168,
47.2696

■ 29.6313, 23.3928,
44.5490

■ 43.8578, 47.5727,
48.4664

■ 27.1359, 19.4048,
43.9108

■ 48.5691, 55.8606,
49.8178

■ 25.0226, 16.1553,
43.3950

■ 53.7758, 65.1125,
51.3292

■ 23.2667, 13.5950,
42.9933

■ 59.4933, 75.3589,
53.0056

■ 21.8405, 11.6686,
42.6967

■ 65.3506, 85.8578,
54.7234

■ 20.7119, 10.3124,
42.4944

■ 66.1882, 86.2895,
54.7626

■ 19.8414, 9.4473,
42.3732

■ 67.0443, 86.7309,
54.8026

■ 19.4759, 9.1235,
42.3300

■ 67.9191, 87.1819,
54.8436

Harmonies

Analogous

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



33.7296, 33.7577, 51.0732



35.8554, 33.7577, 46.2211



36.9886, 33.7577, 39.1878

Triad

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



35.8554, 33.7577, 46.2211



32.9238, 33.7577, 24.9330



27.8274, 33.7577, 41.5834

Complementary

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



35.8554, 33.7577, 46.2211



34.7460, 40.6158, 34.8642

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.



27.6363, 33.7577, 34.4277



35.8554, 33.7577, 46.2211



30.4960, 33.7577, 25.4014

Square

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



35.8554, 33.7577, 46.2211



35.2396, 33.7577, 27.3073



28.5899, 33.7577, 28.6809



29.1258, 33.7577, 48.1669

Rectangle

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



35.8554, 33.7577, 46.2211



36.9913, 33.7577, 34.4651



28.5899, 33.7577, 28.6809



27.6342, 33.7577, 39.1470

Sweetspot

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



35.8564, 33.7592, 46.2218



71.0876, 72.2328, 84.6909



32.3030, 33.2360, 46.3081



15.2998, 15.4710, 18.3242



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8564, 33.7592, 46.2218



62.3147, 57.2386, 82.2591



36.1909, 34.0221, 42.1473



8.6927, 8.5656, 10.7015



14.1582, 6.6346, 30.6714



0.4855, 0.2294, 0.9669

Inverse Universe

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



34.9554, 33.5279, 35.6413



60.4424, 56.7663, 59.9009



34.4812, 40.4013, 38.3752



8.5585, 8.5301, 9.1736



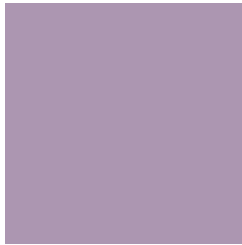
13.3505, 6.8578, 1.7399



0.4392, 0.2234, 0.1556

Previews

White Background



This preview shows how the XYZ color 35.8554, 33.7577, 46.2211 looks on a white background.

Color Contrast Check

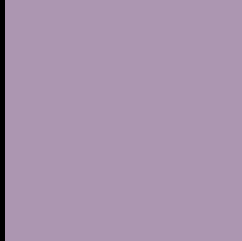
Large Text (above 18pt) WCAG AA × Fail

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 35.8554, 33.7577, 46.2211 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 35.8554, 33.7577, 46.2211

Background



This preview shows how black text looks on a background with the XYZ color 35.8554, 33.7577, 46.2211.



This preview shows how white text looks on a background with the XYZ color 35.8554, 33.7577,

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

35.8554, 33.7577, 46.2211

Protanopia

33.3658, 33.8854, 48.4980

Deuteranopia

34.5375, 33.8096, 45.7799



Tritanopia

34.5066, 33.6829, 39.8047

Trichromacy



Original Color

35.8554, 33.7577, 46.2211

Protanomaly

34.2910, 33.8801, 47.9122

Deuteranomaly

35.0011, 33.8066, 45.7549

Tritanomaly

35.0226, 33.6557, 42.1864

Monochromacy



Original Color

35.8554, 33.7577, 46.2211

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.0812, 34.4226, 40.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8554, 33.7577, 46.2211 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(172, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 177)  
}
```

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(172, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.8554, 33.7577, 46.2211 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(172, 150, 177) }
```


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

```
.border{ border-color:rgb(172, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 150, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 150, 177); box-shadow:4px 4px 4px 4px rgb(172, 150, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8554, 33.7577, 46.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 177) }
```

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

```
.background{ background-color: rgb(172,  
150, 177) }
```

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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