

Converting Colors

XYZ(35.7761, 30.4898, 49.1274)

Have a look what the booklet for
XYZ(35.7761, 30.4898, 49.1274)
contains.

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Color

**XYZ(35.8160, 30.5340,
49.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	B288B8
RGB	178, 136, 184
RGB Percent	70%, 53%, 72%
CMY	0.3020, 0.4667, 0.2784
CMYK	0.03, 0.26, 0.00, 0.28
HSL	293°, 25%, 63%
HSV	293°, 26%, 72%
XYZ	35.8160, 30.5340, 49.3533
YIQ	154.0300, 9.6240, 23.8320

Conversions

Conversions Part 2

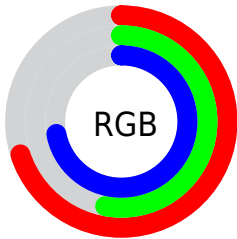
Format	Color
R_{YB}	178, 136, 184
Decimal	11700408
CIE _{Lab}	62.11, 24.46, -18.96
CIE _{LCh}	62, 30.942, 322.220
Yxy	30.5340, 0.3096, 0.2639
Android (android.graphics.Color)	4289890488 (0xFFB288B8)
YUV	154.0300, 14.7752, 21.0217
Hunter-Lab	55.2576, 18.9966, -14.2746

Details

The XYZ color **35.8160, 30.5340, 49.3533** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.7408, 41.8101, 29.6386**, and the grayscale version is **30.6634, 32.2603, 35.1315**.

A 20% lighter version of the original color is **68.0733, 60.6106, 90.5492**, and **15.8820, 12.6542, 23.0782** is the 20% darker color. If you saturate the color by 10%, you get **32.9208, 25.5198, 48.5385**, and if you desaturate by 10%, it is **39.1668, 36.4451, 50.3181**.

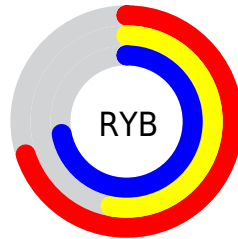
Distribution



Red (70%)

Green (53%)

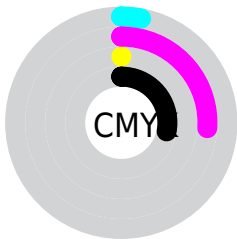
Blue (72%)



Red (70%)

Yellow (53%)

Blue (72%)

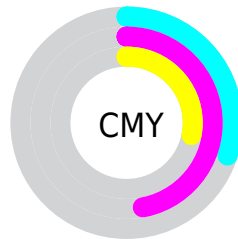


Cyan (3%)

Magenta (26%)

Yellow (0%)

Black (28%)



Cyan (30%)


Magenta (47%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8160, 30.5340, 49.3533 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 35.8160, 30.5340, 49.3533 by changing the saturation by 10% instead.


 35.8160, 30.5340,
49.3533

 35.8160, 30.5340,
49.3533

319.6009,
304.3857, 400.7939


 24.4616, 20.2443,
34.5322


 68.0737, 60.5056,
90.6024

 15.8030, 12.5727,
23.0221


 89.7077, 80.9563,
117.8675

 9.4748, 7.1350,
14.4044


 115.4989,
105.5628, 150.1177

 5.1117, 3.5467,
8.2605

145.8127,
134.7095, 187.7715

 2.3484, 1.4234,
4.1719

181.0144,
168.7807, 231.2475

 0.8193, 0.2338,
1.7201

221.4695,

 0.0000, 0.0000,

208.1609, 280.9642

0.3745

267.5432,
253.2344, 337.3401

■ 0.0000, 0.0000,
0.0000

■ 35.8160, 30.5340,
49.3533

■ 35.8160, 30.5340,
49.3533

■ 32.9208, 25.5198,
48.5385

■ 39.1668, 36.4451,
50.3181

■ 30.4555, 21.3532,
47.8642

■ 42.9916, 43.2913,
51.4380

■ 28.3964, 17.9858,
47.3228

■ 47.3109, 51.1135,
52.7201

■ 26.7162, 15.3632,
46.9051

■ 52.1436, 59.9489,
54.1709

■ 25.3839, 13.4237,
46.6010

■ 57.5072, 69.8329,
55.7960

■ 24.3640, 12.0961,
46.3985

■ 63.4186, 80.7991,
57.6011

■ 23.6104, 11.2882,
46.2823

■ 66.6858, 86.4634,
58.5222

■ 23.3501, 11.0380,
46.2477

■ 67.2811, 86.7703,
58.5501

■ 67.8856, 87.0819,
58.5784

Harmonies

Analogous

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



32.1538, 30.5340, 59.2911



35.8160, 30.5340, 49.3533



37.6929, 30.5340, 36.4458

Triad

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



35.8160, 30.5340, 49.3533



30.1183, 30.5340, 15.3184



22.2269, 30.5340, 42.6866

Complementary

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



35.8160, 30.5340, 49.3533



32.7408, 41.8101, 29.6386

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.



21.7940, 30.5340, 30.2398



35.8160, 30.5340, 49.3533



26.0998, 30.5340, 16.2251

Square

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



35.8160, 30.5340, 49.3533



34.2046, 30.5340, 18.2248



23.1460, 30.5340, 21.0912



24.3907, 30.5340, 54.8453

Rectangle

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



35.8160, 30.5340, 49.3533



37.5649, 30.5340, 28.6281



23.1460, 30.5340, 21.0912



21.8831, 30.5340, 38.3363

Sweetspot

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



35.8170, 30.5353, 49.3540



76.4409, 75.7921, 92.8051



28.5390, 28.1616, 49.2794



16.2485, 15.9253, 19.9391



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.8170, 30.5353, 49.3540



61.9753, 50.2170, 88.6310



35.4919, 30.5678, 40.2996



9.2675, 9.1043, 11.3483



16.1335, 7.6283, 31.8752



0.5999, 0.2850, 1.1251

Inverse Universe

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



33.4548, 29.7530, 29.5721



57.0661, 48.6077, 46.7679



33.0943, 41.8357, 36.7295



9.0491, 9.0300, 9.6059



13.7447, 7.0717, 1.2766



0.4995, 0.2553, 0.1236

Previews

White Background



This preview shows how the XYZ color 35.8160, 30.5340, 49.3533 looks on a white background.

Color Contrast Check

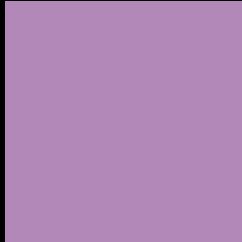
Large Text (above 18pt) WCAG AA × Fail

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 35.8160, 30.5340, 49.3533 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 35.8160, 30.5340, 49.3533

Background



This preview shows how black text looks on a background with the XYZ color 35.8160, 30.5340, 49.3533.



This preview shows how white text looks on a background with the XYZ color 35.8160, 30.5340,

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

35.8160, 30.5340, 49.3533

Protanopia

31.0205, 30.8341, 54.7687

Deuteranopia

31.2716, 30.6344, 48.5208



Tritanopia

32.8783, 30.6446, 34.3191

Trichromacy



Original Color

35.8160, 30.5340, 49.3533

Protanomaly

32.4044, 30.4365, 52.8821

Deuteranomaly

32.8669, 30.5374, 48.9618

Tritanomaly

33.7581, 30.5505, 39.2395

Monochromacy



Original Color

35.8160, 30.5340, 49.3533

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.3295, 31.3706, 39.9485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8160, 30.5340, 49.3533 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(178, 136, 184)` looks like.

```
.text, #text, p{  
    color:rgb(178, 136, 184)  
}
```

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(178, 136, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 136, 184) }
```

Border

The CSS property to change the border of an element to XYZ 35.8160, 30.5340, 49.3533 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(178, 136, 184) }
```


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

```
.border{ border-color:rgb(178, 136, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 136, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 136, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 136, 184);  
box-shadow:4px 4px 4px 4px rgb(178, 136,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8160, 30.5340, 49.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 136, 184) }
```

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

```
.background{ background-color: rgb(178,  
136, 184) }
```

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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