

# Converting Colors

XYZ(35.4449, 31.0805, 55.9094)

Have a look what the booklet for  
XYZ(35.4449, 31.0805, 55.9094)  
contains.

<b>XYZ(35.3769, 31.0211, 55.7529)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.3769, 31.0211,  
55.7529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A88CC3
RGB	168, 140, 195
RGB Percent	66%, 55%, 76%
CMY	0.3412, 0.4510, 0.2353
CMYK	0.14, 0.28, 0.00, 0.24
HSL	271°, 31%, 66%
HSV	271°, 28%, 76%
XYZ	35.3769, 31.0211, 55.7529
YIQ	154.6420, -0.9670, 23.0410

# Conversions

## Conversions Part 2

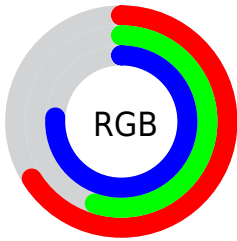
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 140, 195
Decimal	11046083
CIE <sub>Lab</sub>	62.53, 21.19, -24.62
CIE <sub>LCh</sub>	63, 32.482, 310.726
Yxy	31.0211, 0.2896, 0.2540
Android (android.graphics.Color)	4289236163 (0xFFA88CC3)
YUV	154.6420, 19.8965, 11.7150
Hunter-Lab	55.6966, 15.9091, -20.3623

# Details

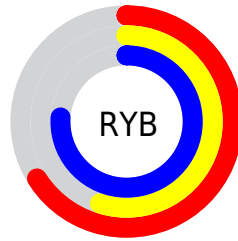
The XYZ color **35.3769, 31.0211, 55.7529** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.1860, 49.1399, 32.1792**, and the grayscale version is **30.9138, 32.5237, 35.4183**.

A 20% lighter version of the original color is **67.6029, 61.4591, 100.3952**, and **15.5341, 12.8803, 26.8667** is the 20% darker color. If you saturate the color by 10%, you get **30.8128, 24.8072, 54.7945**, and if you desaturate by 10%, it is **40.5980, 38.3247, 56.8880**.

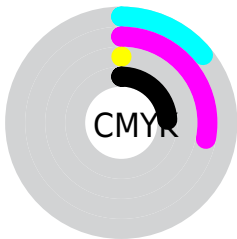
# Distribution



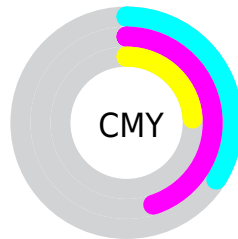
- Red (66%)
- Green (55%)
- Blue (76%)



- Red (66%)
- Yellow (55%)
- Blue (76%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)




- Cyan (34%)
- Magenta (45%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3769, 31.0211, 55.7529 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 35.3769, 31.0211, 55.7529 by changing the saturation by 10% instead.





 35.3769, 31.0211,  
55.7529


 35.3769, 31.0211,  
55.7529


317.7078,  
306.6355, 426.1217


 24.1212, 20.6149,  
39.6022


 67.3994, 61.2733,  
100.1254

 15.5488, 12.8428,  
26.9171


 88.8970, 81.8881,  
129.1842

 9.2943, 7.3204,  
17.2791


 114.5392,  
106.6745, 163.3829

 4.9922, 3.6633,  
10.2696

144.6914,  
136.0170, 203.1398

 2.2774, 1.4870,  
5.4701

179.7191,  
170.3000, 248.8736

 0.7831, 0.2796,  
2.4621

219.9874,

 0.0000, 0.0000,

209.9078, 301.0029

0.8200

265.8619,  
255.2248, 359.9461

■ 0.0000, 0.0000,  
0.0000

■ 35.3769, 31.0211,  
55.7529

■ 35.3769, 31.0211,  
55.7529

■ 30.8128, 24.8072,  
54.7945

■ 40.5980, 38.3247,  
56.8880

■ 26.8727, 19.6242,  
54.0018

■ 46.5009, 46.7652,  
58.2060

■ 23.5253, 15.4135,  
53.3655

■ 53.1126, 56.3916,  
59.7156

■ 20.7349, 12.1088,  
52.8747

■ 60.4579, 67.2487,  
61.4241

■ 18.4613, 9.6350,  
52.5170

■ 68.5600, 79.3792,  
63.3385

16.6579, 7.9045,  
52.2780

76.7987, 91.5383,  
65.2512

15.2545, 6.7825,  
52.1354

79.8752, 93.1243,  
65.3952

15.0259, 6.6082,  
52.1138

83.1217, 94.7979,  
65.5471

86.5410, 96.5606,  
65.7072

# Harmonies

## Analogous

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



31.0928, 31.0211, 63.7354



35.3769, 31.0211, 55.7529



38.2452, 31.0211, 42.4536

# Triad

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



35.3769, 31.0211, 55.7529



32.3763, 31.0211, 15.6334



21.9061, 31.0211, 38.5062

# Complementary

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



35.3769, 31.0211, 55.7529



40.1860, 49.1399, 32.1792

# 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.



22.1758, 31.0211, 26.3708



35.3769, 31.0211, 55.7529



27.9329, 31.0211, 15.0789

# Square

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



35.3769, 31.0211, 55.7529



36.3968, 31.0211, 20.2687



24.2859, 31.0211, 18.4999



23.5082, 31.0211, 52.2502



# Rectangle

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



35.3769, 31.0211, 55.7529



38.8130, 31.0211, 33.4696



24.2859, 31.0211, 18.4999



21.7852, 31.0211, 34.0856

# Sweetspot

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



35.3779, 31.0224, 55.7536



83.3723, 83.8853, 104.2671



34.5771, 37.3377, 57.0148



17.8847, 17.8323, 22.7493



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.



35.3779, 31.0224, 55.7536



58.0585, 48.3019, 98.7330



41.7349, 34.2995, 56.0511



10.0062, 9.9943, 12.6865



9.8632, 4.3451, 33.8755



0.5056, 0.2287, 1.4674



# Inverse Universe

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



38.8597, 33.1495, 40.9106



65.5348, 52.8681, 66.9120



35.0650, 46.4999, 31.9395



10.2747, 10.1585, 11.5369



16.0339, 8.1033, 8.0903

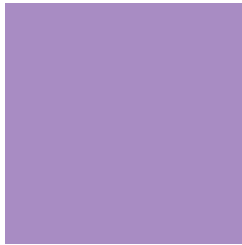


0.7276, 0.3640, 0.5329



# Previews

## White Background



This preview shows how the XYZ color 35.3769, 31.0211, 55.7529 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 35.3769, 31.0211, 55.7529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

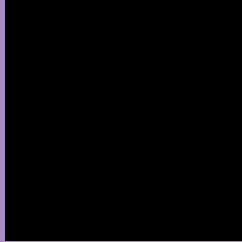
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3769, 31.0211, 55.7529**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3769, 31.0211, 55.7529.



This preview shows how white text looks on a background with the XYZ color 35.3769, 31.0211,



# 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

35.3769, 31.0211, 55.7529

### Protanopia

31.7246, 31.0775, 60.2036

### Deuteranopia

31.8747, 31.2744, 54.8087



## Tritanopia

31.5056, 31.0174, 36.6742

# Trichromacy



## Original Color

35.3769, 31.0211, 55.7529

## Protanomaly

32.8004, 30.9772, 58.2833

## Deuteranomaly

33.1534, 31.2251, 55.3186

## Tritanomaly

32.6338, 30.7793, 42.7491

# Monochromacy



## Original Color

35.3769, 31.0211, 55.7529

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

32.6592, 32.1886, 42.5219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3769, 31.0211, 55.7529 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(168, 140, 195)` looks like.

```
.text, #text, p{  
    color:rgb(168, 140, 195)  
}
```

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(168, 140, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 140, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3769, 31.0211, 55.7529 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(168, 140, 195) }
```



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

```
.border{ border-color:rgb(168, 140, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 140, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 140, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 140, 195);  
box-shadow:4px 4px 4px 4px rgb(168, 140,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3769, 31.0211, 55.7529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 140, 195) }
```

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

```
.background{ background-color: rgb(168,  
140, 195) }
```

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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