

# Converting Colors

XYZ(35.7695, 31.6698, 54.9128)

Have a look what the booklet for  
XYZ(35.7695, 31.6698, 54.9128)  
contains.

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# Color

**XYZ(35.6608, 31.6313,  
54.6780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A98EC1
RGB	169, 142, 193
RGB Percent	66%, 56%, 76%
CMY	0.3372, 0.4431, 0.2431
CMYK	0.12, 0.26, 0.00, 0.24
HSL	272°, 29%, 66%
HSV	272°, 26%, 76%
XYZ	35.6608, 31.6313, 54.6780
YIQ	155.8870, -0.2790, 21.5850

# Conversions

## Conversions Part 2

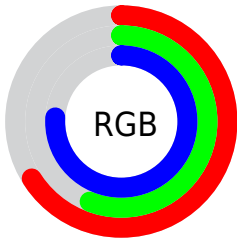
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 142, 193
Decimal	11112129
CIE Lab	63.04, 19.95, -22.70
CIE LCh	63, 30.218, 311.308
Yxy	31.6313, 0.2924, 0.2593
Android (android.graphics.Color)	4289302209 (0xFFA98EC1)
YUV	155.8870, 18.2967, 11.5001
Hunter-Lab	56.2417, 14.7573, -18.2723

# Details

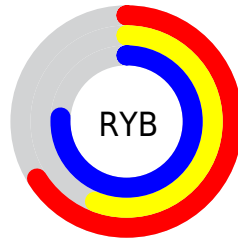
The XYZ color **35.6608, 31.6313, 54.6780** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.6795, 48.2008, 32.8050**, and the grayscale version is **31.4716, 33.1105, 36.0574**.

A 20% lighter version of the original color is **68.0466, 62.3895, 98.8984**, and **15.6898, 13.2314, 26.1531** is the 20% darker color. If you saturate the color by 10%, you get **31.1530, 25.4080, 53.7149**, and if you desaturate by 10%, it is **40.8032, 38.9213, 55.8146**.

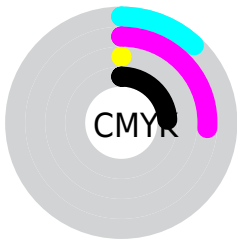
# Distribution



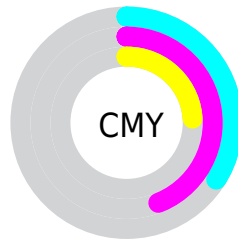
- Red (66%)
- Green (56%)
- Blue (76%)



- Red (66%)
- Yellow (56%)
- Blue (76%)



- Cyan (12%)
- Magenta (26%)
- Yellow (0%)
- Black (24%)




- Cyan (34%)
- Magenta (44%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6608, 31.6313, 54.6780 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 35.6608, 31.6313, 54.6780 by changing the saturation by 10% instead.





 35.6608, 31.6313,  
54.6780


 35.6608, 31.6313,  
54.6780


318.9327,  
309.4363, 421.9377


 24.3412, 21.0800,  
38.7471


 67.8355, 62.2326,  
98.5354

 15.7130, 13.1825,  
26.2567


 89.4213, 83.0515,  
127.2991

 9.4109, 7.5544,  
16.7883

 115.1600,  
108.0617, 161.1774

 5.0694, 3.8111,  
9.9233

145.4168,  
137.6476, 200.5888

 2.3232, 1.5685,  
5.2432

180.5571,  
172.1936, 245.9521

 0.8065, 0.3362,  
2.3294

220.9463,

 0.0000, 0.0000,

212.0841, 297.6856

0.7476

266.9497,  
257.7035, 356.2080

■ 0.0000, 0.0000,  
0.0000

■ 35.6608, 31.6313,  
54.6780

■ 35.6608, 31.6313,  
54.6780

■ 31.1530, 25.4080,  
53.7149

■ 40.8032, 38.9213,  
55.8146

■ 27.2483, 20.1949,  
52.9144

■ 46.6036, 47.3231,  
57.1306

■ 23.9172, 15.9360,  
52.2680

■ 53.0877, 56.8837,  
58.6342

■ 21.1257, 12.5682,  
51.7650

■ 60.2791, 67.6464,  
60.3326

■ 18.8362, 10.0202,  
51.3939

■ 68.2001, 79.6521,  
62.2324

■ 17.0050, 8.2095,  
51.1409

■ 75.9707, 91.1374,  
64.0398

■ 15.5761, 7.0291,  
50.9884

■ 78.8531, 92.6234,  
64.1747

■ 15.1250, 6.6853,  
50.9458

■ 81.8881, 94.1880,  
64.3167

■ 85.0778, 95.8323,  
64.4660

# Harmonies

## Analogous

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



31.6607, 31.6313, 62.1478



35.6608, 31.6313, 54.6780



38.2974, 31.6313, 42.3182

# Triad

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



35.6608, 31.6313, 54.6780



32.7021, 31.6313, 16.9774



22.8823, 31.6313, 39.1319

# Complementary

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



35.6608, 31.6313, 54.6780



39.6795, 48.2008, 32.8050

# 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.



23.1053, 31.6313, 27.6077



35.6608, 31.6313, 54.6780



28.5230, 31.6313, 16.5052

# Square

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



35.6608, 31.6313, 54.6780



36.4834, 31.6313, 21.4227



25.0868, 31.6313, 19.9379



24.4466, 31.6313, 51.8873



# Rectangle

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



35.6608, 31.6313, 54.6780



38.7929, 31.6313, 33.9208



25.0868, 31.6313, 19.9379



22.7548, 31.6313, 34.9667

# Sweetspot

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



35.6618, 31.6326, 54.6787



81.6132, 82.0497, 101.8960



34.5368, 37.1117, 55.7956



17.1603, 17.0953, 21.7806



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



35.6618, 31.6326, 54.6787



58.8300, 49.6566, 96.8443



41.1973, 34.4972, 54.4442



10.0259, 10.0045, 12.6875



10.1528, 4.4944, 33.8890



0.5177, 0.2349, 1.4679



# Inverse Universe

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



38.5493, 33.4380, 40.5003



65.0822, 53.5622, 66.3027



35.1730, 45.8702, 32.9286



10.2661, 10.1550, 11.4916



15.9182, 8.0570, 7.4814



0.7226, 0.3620, 0.5065



# Previews

## White Background



This preview shows how the XYZ color 35.6608, 31.6313, 54.6780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

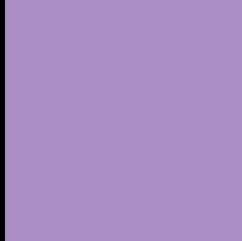
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.6608, 31.6313, 54.6780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

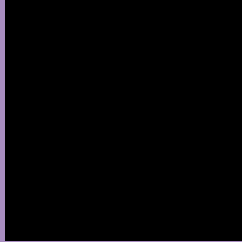
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.6608, 31.6313, 54.6780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6608, 31.6313, 54.6780.



This preview shows how white text looks on a background with the XYZ color 35.6608, 31.6313,



# 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

35.6608, 31.6313, 54.6780

### Protanopia

32.1906, 31.8322, 58.4804

### Deuteranopia

32.3429, 31.7773, 53.7192



## Tritanopia

32.2449, 31.6104, 37.6596

# Trichromacy



## Original Color

35.6608, 31.6313, 54.6780

## Protanomaly

33.4304, 31.7903, 57.1975

## Deuteranomaly

33.4657, 31.6418, 54.2128

## Tritanomaly

33.4512, 31.6433, 43.3744

# Monochromacy



## Original Color

35.6608, 31.6313, 54.6780

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.9260, 32.5749, 42.0883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6608, 31.6313, 54.6780 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(169, 142, 193)` looks like.

```
.text, #text, p{  
    color:rgb(169, 142, 193)  
}
```

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(169, 142, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 142, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6608, 31.6313, 54.6780 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(169, 142, 193) }
```



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

```
.border{ border-color:rgb(169, 142, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 142, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 142, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 142, 193);  
box-shadow:4px 4px 4px 4px rgb(169, 142,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6608, 31.6313, 54.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 142, 193) }
```

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

```
.background{ background-color: rgb(169,  
142, 193) }
```

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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