

Converting Colors

XYZ(35.6147, 31.8606, 56.7063)

Have a look what the booklet for
XYZ(35.6147, 31.8606, 56.7063)
contains.

XYZ(35.5122, 31.7374, 56.4788)	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(35.5122, 31.7374,
56.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	A68FC4
RGB	166, 143, 196
RGB Percent	65%, 56%, 77%
CMY	0.3490, 0.4392, 0.2314
CMYK	0.15, 0.27, 0.00, 0.23
HSL	266°, 31%, 66%
HSV	266°, 27%, 77%
XYZ	35.5122, 31.7374, 56.4788
YIQ	155.9190, -3.3050, 21.3590

Conversions

Conversions Part 2

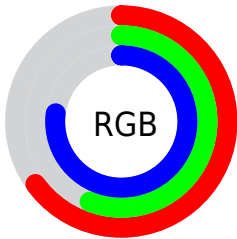
Format	Color
RYB	166, 143, 196
Decimal	10915780
CIELab	63.13, 19.06, -24.27
CIELCh	63, 30.865, 308.147
Yxy	31.7374, 0.2870, 0.2565
Android (android.graphics.Color)	4289105860 (0xFFA68FC4)
YUV	155.9190, 19.7599, 8.8410
Hunter-Lab	56.3360, 13.9322, -20.0052

Details

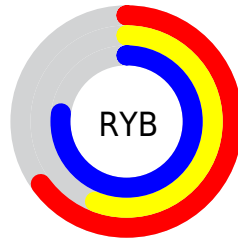
The XYZ color **35.5122, 31.7374, 56.4788** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.9323, 50.3480, 33.4960**, and the grayscale version is **31.4804, 33.1199, 36.0675**.

A 20% lighter version of the original color is **67.8201, 62.5539, 101.4281**, and **15.6069, 13.2924, 27.3343** is the 20% darker color. If you saturate the color by 10%, you get **30.5969, 25.2112, 55.4787**, and if you desaturate by 10%, it is **41.1443, 39.3978, 57.6611**.

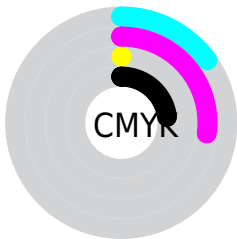
Distribution



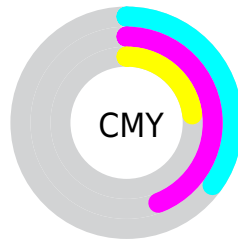
- Red (65%)
- Green (56%)
- Blue (77%)



- Red (65%)
- Yellow (56%)
- Blue (77%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (44%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5122, 31.7374, 56.4788 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 35.5122, 31.7374, 56.4788 by changing the saturation by 10% instead.

■ 35.5122, 31.7374,
56.4788

■ 35.5122, 31.7374,
56.4788

318.2920,
309.9213, 428.9323

■ 24.2261, 21.1610,
40.1804

■ 67.6073, 62.3992,
101.1971

■ 15.6270, 13.2417,
27.3643

■ 89.1470, 83.2534,
130.4540

■ 9.3498, 7.5952,
17.6122

114.8352,
108.3023, 164.8674

■ 5.0290, 3.8371,
10.5054

145.0373,
137.9303, 204.8560

■ 2.2992, 1.5828,
5.6253

180.1187,
172.5218, 250.8383

■ 0.7943, 0.3460,
2.5536

220.4447,

■ 0.0000, 0.0000,

212.4612, 303.2327

0.8683

266.3807,
258.1329, 362.4579

■ 0.0000, 0.0000,
0.0000

■ 35.5122, 31.7374,
56.4788

■ 35.5122, 31.7374,
56.4788

■ 30.5969, 25.2112,
55.4787

■ 41.1443, 39.3978,
57.6611

■ 26.3635, 19.7591,
54.6495

■ 47.5197, 48.2405,
59.0319

■ 22.7786, 15.3215,
53.9819

■ 54.6674, 58.3157,
60.5998

■ 19.8045, 11.8310,
53.4649

■ 62.6137, 69.6693,
62.3725

■ 17.3990, 9.2117,
53.0861

■ 71.3837, 82.3451,
64.3569

■ 15.5136, 7.3755,
52.8310

■ 79.1875, 92.7567,
65.9553

■ 14.0838, 6.2030,
52.6801

■ 82.9152, 94.6784,
66.1297

■ 13.7154, 5.9195,
52.6448

■ 86.8746, 96.7195,
66.3150

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



31.3410, 31.7374, 63.3631



35.5122, 31.7374, 56.4788



38.4231, 31.7374, 44.0430

Triad

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



35.5122, 31.7374, 56.4788



33.3177, 31.7374, 17.0385



22.7629, 31.7374, 37.9883

Complementary

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



35.5122, 31.7374, 56.4788



41.9323, 50.3480, 33.4960

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.



23.1847, 31.7374, 26.5408



35.5122, 31.7374, 56.4788



29.0196, 31.7374, 16.1502

Square

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



35.5122, 31.7374, 56.4788



37.0754, 31.7374, 21.9992



25.3843, 31.7374, 19.1984



24.1723, 31.7374, 51.1633

Rectangle

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



35.5122, 31.7374, 56.4788



39.1137, 31.7374, 35.3205



25.3843, 31.7374, 19.1984



22.6980, 31.7374, 33.8038

Sweetspot

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



35.5132, 31.7387, 56.4795



84.7626, 85.5432, 106.6518



36.2425, 39.7262, 57.9828



17.7508, 17.7632, 22.7430



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.



35.5132, 31.7387, 56.4795



59.3116, 50.7886, 101.2849



41.6437, 34.8991, 56.7664



9.9337, 9.9570, 12.6832



8.9076, 3.8524, 33.8307



0.4638, 0.2071, 1.4654

Inverse Universe

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



40.1311, 34.3990, 44.0606



69.1242, 56.4463, 74.6768



36.6480, 47.6238, 33.2487



10.3066, 10.1713, 11.7052



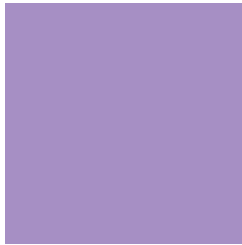
16.5130, 8.2949, 10.6133



0.7475, 0.3720, 0.6380

Previews

White Background



This preview shows how the XYZ color 35.5122, 31.7374, 56.4788 looks on a white background.

Color Contrast Check

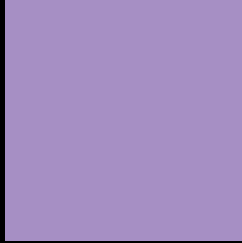
Large Text (above 18pt) WCAG AA × Fail

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 35.5122, 31.7374, 56.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

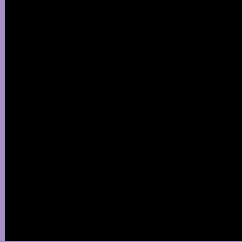
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5122, 31.7374, 56.4788

Background



This preview shows how black text looks on a background with the XYZ color 35.5122, 31.7374, 56.4788.



This preview shows how white text looks on a background with the XYZ color 35.5122, 31.7374,

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

35.5122, 31.7374, 56.4788

Protanopia

32.3747, 31.8865, 60.3255

Deuteranopia

32.6107, 31.8638, 56.0613



Tritanopia

31.8366, 31.8595, 38.1897

Trichromacy



Original Color

35.5122, 31.7374, 56.4788

Protanomaly

33.4097, 31.7395, 59.0090

Deuteranomaly

33.4209, 31.5799, 55.9638

Tritanomaly

32.9740, 31.6048, 44.4068

Monochromacy



Original Color

35.5122, 31.7374, 56.4788

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.9145, 32.5471, 43.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5122, 31.7374, 56.4788 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(166, 143, 196)` looks like.

```
.text, #text, p{  
    color:rgb(166, 143, 196)  
}
```

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(166, 143, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 143, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.5122, 31.7374, 56.4788 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(166, 143, 196) }
```


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

```
.border{ border-color:rgb(166, 143, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 143, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 143, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 143, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 143,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5122, 31.7374, 56.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 143, 196) }
```

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

```
.background{ background-color: rgb(166,  
143, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor