

Converting Colors

XYZ(33.2326, 28.6563, 56.6832)

Have a look what the booklet for
XYZ(33.2326, 28.6563, 56.6832)
contains.

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Color

**XYZ(33.1003, 28.5550,
56.5904)**

Conversions

Conversions Part 1

Format	Color
Hex	A086C5
RGB	160, 134, 197
RGB Percent	63%, 53%, 77%
CMY	0.3725, 0.4745, 0.2274
CMYK	0.19, 0.32, 0.00, 0.23
HSL	265°, 35%, 65%
HSV	265°, 32%, 77%
XYZ	33.1003, 28.5550, 56.5904
YIQ	148.9560, -4.7270, 25.1050

Conversions

Conversions Part 2

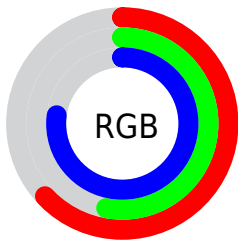
Format	Color
R_{YB}	160, 134, 197
Decimal	10520261
CIE _{Lab}	60.39, 22.52, -29.10
CIE _{LCh}	60, 36.799, 307.740
Yxy	28.5550, 0.2799, 0.2415
Android (android.graphics.Color)	4288710341 (0xFFA086C5)
YUV	148.9560, 23.6857, 9.6856
Hunter-Lab	53.4369, 17.0534, -25.3831

Details

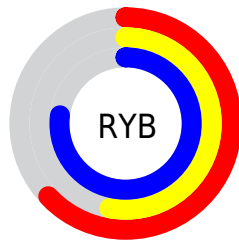
The XYZ color **33.1003, 28.5550, 56.5904** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.0649, 50.3124, 30.1024**, and the grayscale version is **28.4544, 29.9362, 32.6005**.

A 20% lighter version of the original color is **63.6840, 57.1435, 101.4392**, and **14.1917, 11.4496, 27.4486** is the 20% darker color. If you saturate the color by 10%, you get **28.4207, 22.4707, 55.6631**, and if you desaturate by 10%, it is **38.5043, 35.7670, 57.6981**.

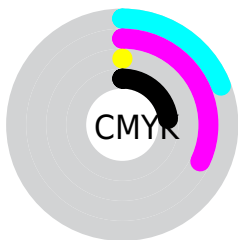
Distribution



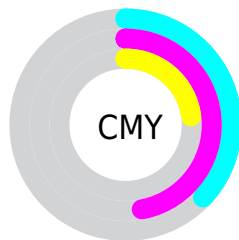
- Red (63%)
- Green (53%)
- Blue (77%)



- Red (63%)
- Yellow (53%)
- Blue (77%)



- Cyan (19%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)



- Cyan (37%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1003, 28.5550, 56.5904 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 33.1003, 28.5550, 56.5904 by changing the saturation by 10% instead.

■ 33.1003, 28.5550,
56.5904

■ 33.1003, 28.5550,
56.5904

307.7584,
295.1095, 429.3634

■ 22.3629, 18.7444,
40.2693

■ 63.8857, 57.3693,
101.3617

■ 14.2419, 11.4858,
27.4332

■ 84.6644, 77.1419,
130.6489

■ 8.3719, 6.3946,
17.6635

■ 109.5210,
101.0039, 165.0953

■ 4.3876, 3.0865,
10.5418

138.8207,
129.3397, 205.1194

■ 1.9237, 1.1770,
5.6493

172.9290,
162.5338, 251.1397

■ 0.5905, 0.0428,
2.5677

212.2111,

■ 0.0000, 0.0000,

200.9705, 303.5748

0.8757

257.0325,
245.0343, 362.8432

■ 0.0000, 0.0000,
0.0000

■ 33.1003, 28.5550,
56.5904

■ 33.1003, 28.5550,
56.5904

■ 28.4207, 22.4707,
55.6631

■ 38.5043, 35.7670,
57.6981

■ 24.4286, 17.4511,
54.9046

■ 44.6614, 44.1581,
58.9932

■ 21.0877, 13.4322,
54.3050

■ 51.6023, 53.7808,
60.4848

■ 18.3572, 10.3417,
53.8524

■ 59.3550, 64.6833,
62.1806

■ 16.1907, 8.0968,
53.5333

■ 67.9460, 76.9112,
64.0880

■ 14.5337, 6.5990,
53.3315

■ 77.4006, 90.5077,
66.2141

■ 13.4972, 5.7939,
53.2307

■ 82.1111, 94.2507,
66.6883

■ 86.1870, 96.3518,
66.8790

■ 87.0781, 96.8113,
66.9207

Harmonies

Analogous

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



28.3848, 28.5550, 64.7256



33.1003, 28.5550, 56.5904



36.4636, 28.5550, 42.0459

Triad

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



33.1003, 28.5550, 56.5904



30.7359, 28.5550, 12.6714



19.0853, 28.5550, 34.7351

Complementary

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



33.1003, 28.5550, 56.5904



41.0649, 50.3124, 30.1024

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.



19.5599, 28.5550, 22.2271



33.1003, 28.5550, 56.5904



25.9335, 28.5550, 11.7572

Square

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



33.1003, 28.5550, 56.5904



34.9917, 28.5550, 17.7123



21.9431, 28.5550, 14.7003



20.5617, 28.5550, 49.9270

Rectangle

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



33.1003, 28.5550, 56.5904



37.2869, 28.5550, 32.1307



21.9431, 28.5550, 14.7003



19.0254, 28.5550, 30.0750

Sweetspot

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



33.1013, 28.5562, 56.5910



82.1510, 82.0651, 106.1181



34.6250, 38.5295, 58.4358



17.2209, 17.0656, 22.6363



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.



33.1013, 28.5562, 56.5910



53.6063, 43.7258, 100.2223



40.0144, 32.1200, 56.9146



10.4644, 10.4977, 13.3922



8.9677, 3.8573, 35.0162



0.5066, 0.2249, 1.6619

Inverse Universe

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



38.9026, 31.8619, 42.6289



65.7510, 50.6547, 70.6089



35.1361, 47.2560, 29.8250



10.8908, 10.7397, 12.4080



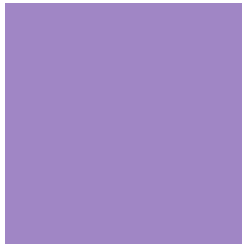
17.2496, 8.6494, 11.7903



0.8522, 0.4237, 0.7447

Previews

White Background



This preview shows how the XYZ color 33.1003, 28.5550, 56.5904 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1003, 28.5550, 56.5904 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 × Fail

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

XYZ 33.1003, 28.5550, 56.5904

Background



This preview shows how black text looks on a background with the XYZ color 33.1003, 28.5550, 56.5904.



This preview shows how white text looks on a background with the XYZ color 33.1003, 28.5550,

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

33.1003, 28.5550, 56.5904

Protanopia

29.6247, 28.8182, 61.1278

Deuteranopia

29.3393, 28.7922, 55.6409



Tritanopia

28.7921, 28.7503, 34.6037

Trichromacy



Original Color

33.1003, 28.5550, 56.5904

Protanomaly

30.5682, 28.4622, 59.1410

Deuteranomaly

30.4972, 28.4925, 56.1168

Tritanomaly

30.3441, 28.7264, 41.9756

Monochromacy



Original Color

33.1003, 28.5550, 56.5904

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9931, 29.4720, 40.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1003, 28.5550, 56.5904 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(160, 134, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 134, 197)  
}
```

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(160, 134, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 134, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.1003, 28.5550, 56.5904 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(160, 134, 197) }
```


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

```
.border{ border-color:rgb(160, 134, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 134, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 134, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 134, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 134,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1003, 28.5550, 56.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 134, 197) }
```

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

```
.background{ background-color: rgb(160,  
134, 197) }
```

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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