

Converting Colors

XYZ(28.7027, 35.5100, 33.7769)

Have a look what the booklet for
XYZ(28.7027, 35.5100, 33.7769)
contains.

XYZ(28.7016, 35.5086, 33.7749)	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(28.7016, 35.5086,
33.7749)**

Conversions

Conversions Part 1

Format	Color
Hex	80AA95
RGB	128, 170, 149
RGB Percent	50%, 67%, 58%
CMY	0.4980, 0.3333, 0.4157
CMYK	0.25, 0.00, 0.12, 0.33
HSL	150°, 20%, 58%
HSV	150°, 25%, 67%
XYZ	28.7016, 35.5086, 33.7749
YIQ	155.0480, -18.2910, -15.4350

Conversions

Conversions Part 2

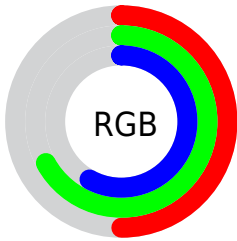
Format	Color
RYB	128, 156, 170
Decimal	8432277
CIELab	66.14, -18.61, 6.24
CIElCh	66, 19.633, 161.471
Yxy	35.5086, 0.2929, 0.3624
Android (android.graphics.Color)	4286622357 (0xFF80AA95)
YUV	155.0480, -2.9817, -23.7211
Hunter-Lab	59.5891, -18.3048, 8.1070

Details

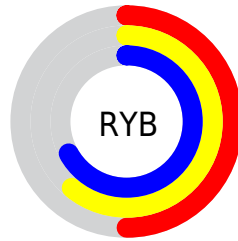
The XYZ color **28.7016, 35.5086, 33.7749** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.7227, 26.1551, 31.9170**, and the grayscale version is **31.1963, 32.8209, 35.7420**.

A 20% lighter version of the original color is **56.9961, 68.1073, 66.6419**, and **11.8249, 15.4584, 13.9158** is the 20% darker color. If you saturate the color by 10%, you get **25.7017, 34.0386, 30.2205**, and if you desaturate by 10%, it is **32.1815, 37.2222, 37.6119**.

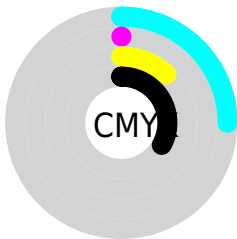
Distribution



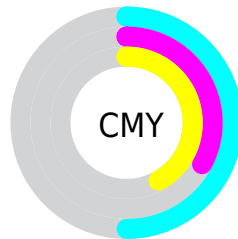
- Red (50%)
- Green (67%)
- Blue (58%)



- Red (50%)
- Yellow (61%)
- Blue (67%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)



- Cyan (50%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7016, 35.5086, 33.7749 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 28.7016, 35.5086, 33.7749 by changing the saturation by 10% instead.

■ 28.7016, 35.5086,
33.7749

■ 28.7016, 35.5086,
33.7749

287.8241,
326.8076, 333.8656

■ 18.9983, 24.0549,
22.4448

■ 57.0035, 68.2729,
66.7134

■ 11.7731, 15.3744,
13.9826

■ 76.3329, 90.3524,
89.1588

■ 6.6605, 9.0825,
7.9700

■ 99.6016, 116.7425,
116.1463

■ 3.2951, 4.7951,
3.9882

127.1752,
147.8277, 148.0946

■ 1.3117, 2.1275,
1.6189

159.4188,
183.9925, 185.4221

■ 0.1919, 0.6800,
0.3042

196.6979,

■ 0.0000, 0.0000,

225.6211, 228.5475

0.0000

239.3779,
273.0980, 277.8891

■ 28.7016, 35.5086,
33.7749

■ 28.7016, 35.5086,
33.7749

■ 25.7017, 34.0386,
30.2205

■ 32.1815, 37.2222,
37.6119

■ 23.1564, 32.7965,
26.9398

■ 36.1592, 39.1857,
41.7354

■ 21.0425, 31.7712,
23.9267

■ 40.6554, 41.4104,
46.1523

■ 19.3333, 30.9493,
21.1742

■ 45.6886, 43.9060,
50.8684

■ 17.9992, 30.3154,
18.6748

■ 51.2764, 46.6812,
55.8895

■ 17.0059, 29.8522,
16.4205

■ 57.4355, 49.7447,
61.2211

■ 16.3122, 29.5386,
14.4028

■ 64.1819, 53.1046,
66.8685

■ 16.0150, 29.4067,
13.4259

■ 68.1406, 55.0209,
72.6784

■ 69.2752, 55.4748,
78.6535

Harmonies

Analogous

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



30.1668, 35.5086, 27.8231



28.7016, 35.5086, 33.7749



28.5413, 35.5086, 41.9493

Triad

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



28.7016, 35.5086, 33.7749



34.8787, 35.5086, 56.6582



38.1338, 35.5086, 28.9625

Complementary

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



28.7016, 35.5086, 33.7749



29.7227, 26.1551, 31.9170

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.



39.5564, 35.5086, 35.5527



28.7016, 35.5086, 33.7749



37.6060, 35.5086, 52.0054

Square

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



28.7016, 35.5086, 33.7749



31.9969, 35.5086, 55.9998



39.3579, 35.5086, 44.0010



35.5657, 35.5086, 25.3335

Rectangle

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



28.7016, 35.5086, 33.7749



29.1843, 35.5086, 47.6791



39.3579, 35.5086, 44.0010



38.7683, 35.5086, 30.8615

Sweetspot

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



28.7026, 35.5101, 33.7757



63.7726, 70.1900, 73.8620



30.7947, 36.7652, 25.8958



14.1270, 15.6059, 16.3747



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.7026, 35.5101, 33.7757



48.7945, 62.8162, 57.4533



30.4676, 36.2161, 43.0703



7.5873, 8.4680, 8.8128



11.8085, 21.6421, 10.0241



0.3132, 0.5369, 0.3800

Inverse Universe

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



29.7227, 26.1551, 31.9170



50.9879, 42.7026, 53.4571



28.2403, 25.5621, 24.1104



7.6817, 7.6025, 8.6409



13.4291, 6.7804, 7.0713



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 28.7016, 35.5086, 33.7749 looks on a white background.

Color Contrast Check

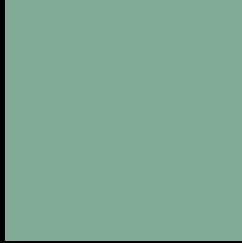
Large Text (above 18pt) WCAG AA × Fail

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 28.7016, 35.5086, 33.7749 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

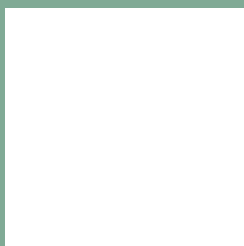
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7016, 35.5086, 33.7749

Background



This preview shows how black text looks on a background with the XYZ color 28.7016, 35.5086, 33.7749.



This preview shows how white text looks on a background with the XYZ color 28.7016, 35.5086,

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

28.7016, 35.5086, 33.7749

Protanopia

33.5412, 35.3707, 31.4450

Deuteranopia

35.9792, 35.2934, 34.6218



Tritanopia

31.6044, 35.5954, 47.8527

Trichromacy



Original Color

28.7016, 35.5086, 33.7749

Protanomaly

31.6006, 35.3985, 32.3612

Deuteranomaly

32.6539, 34.8496, 34.2837

Tritanomaly

30.4023, 35.3701, 42.2705

Monochromacy



Original Color

28.7016, 35.5086, 33.7749

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.9976, 33.4613, 35.0146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7016, 35.5086, 33.7749 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(128, 170, 149)` looks like.

```
.text, #text, p{  
    color:rgb(128, 170, 149)  
}
```

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(128, 170, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 170, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.7016, 35.5086, 33.7749 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(128, 170, 149) }
```


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

```
.border{ border-color:rgb(128, 170, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 170, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 170, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 170, 149);  
box-shadow:4px 4px 4px 4px rgb(128, 170,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7016, 35.5086, 33.7749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 170, 149) }
```

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

```
.background{ background-color: rgb(128,  
170, 149) }
```

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