

Converting Colors

XYZ(28.3471, 34.9812, 28.0586)

Have a look what the booklet for
XYZ(28.3471, 34.9812, 28.0586)
contains.

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Color

**XYZ(28.3675, 34.9054,
28.1640)**

Conversions

Conversions Part 1

Format	Color
Hex	87A887
RGB	135, 168, 135
RGB Percent	53%, 66%, 53%
CMY	0.4706, 0.3412, 0.4706
CMYK	0.20, 0.00, 0.20, 0.34
HSL	120°, 16%, 59%
HSV	120°, 20%, 66%
XYZ	28.3675, 34.9054, 28.1640
YIQ	154.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

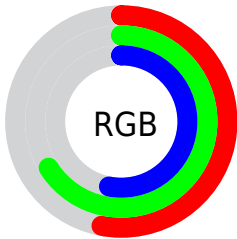
Format	Color
RYB	135, 168, 168
Decimal	8890503
CIELab	65.67, -17.91, 13.39
CIElCh	66, 22.357, 143.214
Yxy	34.9054, 0.3102, 0.3817
Android (android.graphics.Color)	4287080583 (0xFF87A887)
YUV	154.3710, -9.5499, -16.9884
Hunter-Lab	59.0808, -17.6850, 13.0928

Details

The XYZ color **28.3675, 34.9054, 28.1640** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.8815, 28.4808, 40.8643**, and the grayscale version is **30.9225, 32.5329, 35.4283**.

A 20% lighter version of the original color is **56.4510, 67.2250, 57.5774**, and **11.6314, 15.0780, 10.8916** is the 20% darker color. If you saturate the color by 10%, you get **24.7838, 33.1850, 22.3015**, and if you desaturate by 10%, it is **32.5663, 36.9233, 35.0312**.

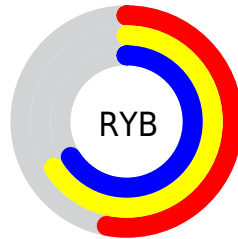
Distribution



Red (53%)

Green (66%)

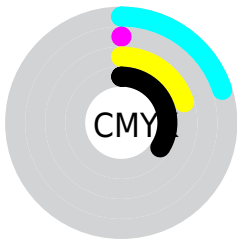
Blue (53%)



Red (53%)

Yellow (66%)

Blue (66%)

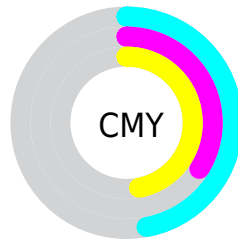


Cyan (20%)

Magenta (0%)

Yellow (20%)

Black (34%)



Cyan (47%)

Magenta (34%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3675, 34.9054, 28.1640 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 28.3675, 34.9054, 28.1640 by changing the saturation by 10% instead.

■ 28.3675, 34.9054,
28.1640

■ 28.3675, 34.9054,
28.1640

286.2672,
324.1506, 307.1863

■ 18.7447, 23.5900,
18.2092

■ 56.4752, 67.3392,
57.7724

■ 11.5889, 15.0298,
10.9293

■ 75.6908, 89.2264,
78.2631

■ 6.5346, 8.8403,
5.9057

■ 98.8348, 115.4063,
103.1029

■ 3.2165, 4.6372,
2.7200

126.2725,
146.2633, 132.7102

■ 1.2693, 2.0360,
0.9535

158.3692,
182.1819, 167.5037

■ 0.1600, 0.6283,
0.0000

195.4903,

■ 0.0000, 0.0000,

223.5464, 207.9018

0.0000

238.0012,
270.7411, 254.3232

■ 28.3675, 34.9054,
28.1640

■ 28.3675, 34.9054,
28.1640

■ 24.7838, 33.1850,
22.3015

■ 32.5663, 36.9233,
35.0312

■ 21.7837, 31.7439,
17.3943

■ 37.4043, 39.2473,
42.9445

■ 19.3373, 30.5688,
13.3926

■ 42.9075, 41.8908,
51.9460

■ 17.4106, 29.6433,
10.2411

■ 49.0999, 44.8653,
62.0747

■ 15.9661, 28.9494,
7.8783

■ 56.0041, 48.1817,
73.3677

■ 14.9612, 28.4667,
6.2347

■ 63.6417, 51.8504,
85.8604

■ 14.3460, 28.1712,
5.2284

■ 72.0335, 55.8815,
99.5866

■ 14.0141, 28.0118,
4.6854

■ 73.2933, 56.4866,
101.6478

■ 14.0033, 28.0066,
4.6678

Harmonies

Analogous

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



30.7469, 34.9054, 23.6790



28.3675, 34.9054, 28.1640



27.2876, 34.9054, 35.9070

Triad

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



28.3675, 34.9054, 28.1640



32.4353, 34.9054, 58.9641



39.3311, 34.9054, 31.3080

Complementary

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



28.3675, 34.9054, 28.1640



31.8815, 28.4808, 40.8643

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.



39.8571, 34.9054, 40.1853



28.3675, 34.9054, 28.1640



35.7309, 34.9054, 57.1880

Square

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



28.3675, 34.9054, 28.1640



29.5336, 34.9054, 54.4251



38.5005, 34.9054, 49.9093



37.1073, 34.9054, 25.2737

Rectangle

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



28.3675, 34.9054, 28.1640



27.3958, 34.9054, 42.2960



38.5005, 34.9054, 49.9093



39.7182, 34.9054, 34.0164

Sweetspot

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



28.3684, 34.9069, 28.1648



62.0608, 68.4250, 68.4195



34.5258, 38.0811, 28.4528



13.4119, 14.8586, 14.7249



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.3684, 34.9069, 28.1648



48.2206, 61.7769, 45.7814



29.6220, 35.4083, 34.7658



7.4368, 8.4078, 8.0202



10.5742, 21.1485, 3.5248



0.2573, 0.5145, 0.0858

Inverse Universe

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



31.8815, 28.4808, 40.8643



55.8874, 47.7528, 73.4963



30.4402, 27.9042, 33.2742



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6763



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 28.3675, 34.9054, 28.1640 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 28.3675, 34.9054, 28.1640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

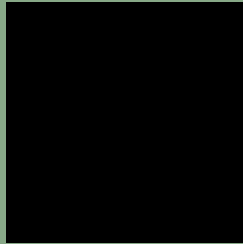
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3675, 34.9054, 28.1640

Background



This preview shows how black text looks on a background with the XYZ color 28.3675, 34.9054, 28.1640.



This preview shows how white text looks on a background with the XYZ color 28.3675, 34.9054,

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

28.3675, 34.9054, 28.1640

Protanopia

32.6433, 34.7598, 26.4616

Deuteranopia

35.2701, 34.5625, 28.8571



Tritanopia

31.8135, 34.6866, 45.5759

Trichromacy



Original Color

28.3675, 34.9054, 28.1640

Protanomaly

30.7955, 34.5745, 26.8802

Deuteranomaly

32.2593, 34.2592, 28.5794

Tritanomaly

30.2681, 34.5780, 38.3366

Monochromacy



Original Color

28.3675, 34.9054, 28.1640

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.6972, 33.1059, 32.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3675, 34.9054, 28.1640 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(135, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 135)  
}
```

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(135, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 135) }
```

Border

The CSS property to change the border of an element to XYZ 28.3675, 34.9054, 28.1640 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(135, 168, 135) }
```


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

```
.border{ border-color:rgb(135, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3675, 34.9054, 28.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 135) }
```

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

```
.background{ background-color: rgb(135,  
168, 135) }
```

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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