

Converting Colors

XYZ(29.0414, 37.4800, 20.4419)

Have a look what the booklet for
XYZ(29.0414, 37.4800, 20.4419)
contains.

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Color

**XYZ(28.9597, 37.3612,
20.4369)**

Conversions

Conversions Part 1

Format	Color
Hex	8CAF6E
RGB	140, 175, 110
RGB Percent	55%, 69%, 43%
CMY	0.4510, 0.3137, 0.5686
CMYK	0.20, 0.00, 0.37, 0.31
HSL	92°, 29%, 56%
HSV	92°, 37%, 69%
XYZ	28.9597, 37.3612, 20.4369
YIQ	157.1250, 0.0050, -27.6350

Conversions

Conversions Part 2

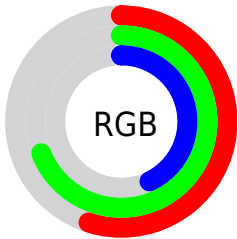
Format	Color
RYB	110, 175, 145
Decimal	9219950
CIELab	67.55, -23.67, 29.54
CIELCh	68, 37.847, 128.704
Yxy	37.3612, 0.3338, 0.4306
Android (android.graphics.Color)	4287410030 (0xFF8CAF6E)
YUV	157.1250, -23.2326, -15.0186
Hunter-Lab	61.1238, -22.3956, 22.9629

Details

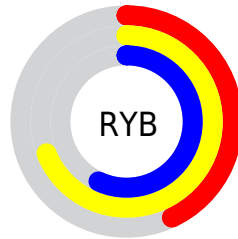
The XYZ color **28.9597, 37.3612, 20.4369** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.9923, 20.2677, 43.1543**, and the grayscale version is **32.2063, 33.8835, 36.8991**.

A 20% lighter version of the original color is **57.6032, 71.3626, 44.9208**, and **11.8263, 16.3307, 6.9437** is the 20% darker color. If you saturate the color by 10%, you get **26.5792, 36.2346, 15.8336**, and if you desaturate by 10%, it is **31.6664, 38.6365, 26.0393**.

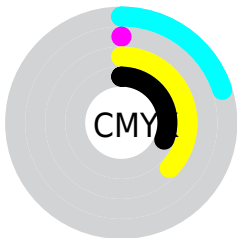
Distribution



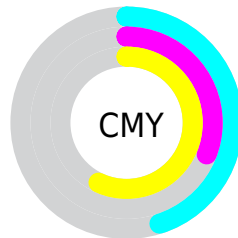
- Red (55%)
- Green (69%)
- Blue (43%)



- Red (43%)
- Yellow (69%)
- Blue (57%)



- Cyan (20%)
- Magenta (0%)
- Yellow (37%)
- Black (31%)



- Cyan (45%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9597, 37.3612, 20.4369 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 28.9597, 37.3612, 20.4369 by changing the saturation by 10% instead.

■ 28.9597, 37.3612,
20.4369

■ 28.9597, 37.3612,
20.4369

289.0224,
334.8717, 266.9526

■ 19.1945, 25.4873,
12.5258

■ 57.4111, 71.1280,
45.0170

■ 11.9157, 16.4405,
6.9760

■ 76.8279, 93.7896,
62.5232

■ 6.7581, 9.8364,
3.3689

■ 100.1926,
120.8159, 84.0647

■ 3.3563, 5.2906,
1.2859

■ 127.8706,
152.5913, 110.0602

■ 1.3448, 2.4188,
0.0502

160.2272,
189.5002, 140.9282

■ 0.2164, 0.8355,
0.0000

197.6278,

■ 0.0000, 0.0000,

231.9270, 177.0872

0.0000

240.4378,
280.2560, 218.9559

■ 28.9597, 37.3612,
20.4369

■ 28.9597, 37.3612,
20.4369

■ 26.5792, 36.2346,
15.8336

■ 31.6664, 38.6365,
26.0393

■ 24.5074, 35.2455,
12.1682

■ 34.7098, 40.0613,
32.6923

■ 22.7295, 34.3889,
9.3764


■ 38.1036, 41.6428,
40.4469


■ 21.2279, 33.6573,
7.3852


■ 41.8597, 43.3860,
49.3499

■ 19.9826, 33.0423,
6.1092

■ 45.9895, 45.2958,
59.4455


 18.9659, 32.5323,
5.4233

 50.5037, 47.3768,
70.7756

 18.7040, 32.4005,
5.2681

 55.4127, 49.6336,
83.3799

 60.7263, 52.0704,
97.2965

 64.3746, 53.8594,
101.6107

Harmonies

Analogous

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



33.8431, 37.3612, 16.5034



28.9597, 37.3612, 20.4369



26.0671, 37.3612, 30.1104

Triad

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



28.9597, 37.3612, 20.4369



31.5976, 37.3612, 78.4662



47.7676, 37.3612, 36.0179

Complementary

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



28.9597, 37.3612, 20.4369



24.9923, 20.2677, 43.1543

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.



46.9973, 37.3612, 53.4722



28.9597, 37.3612, 20.4369



37.2322, 37.3612, 81.3206

Square

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



28.9597, 37.3612, 20.4369



27.4703, 37.3612, 64.2049



42.9819, 37.3612, 71.1847



44.9843, 37.3612, 23.7434

Rectangle

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



28.9597, 37.3612, 20.4369



25.4522, 37.3612, 39.9592



42.9819, 37.3612, 71.1847



47.9214, 37.3612, 41.4094

Sweetspot

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



28.9606, 37.3628, 20.4377



65.7022, 73.3964, 66.5722



30.5696, 30.3902, 19.0071



14.4238, 16.2297, 14.3866



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.9606, 37.3628, 20.4377



48.1491, 65.1525, 29.3806



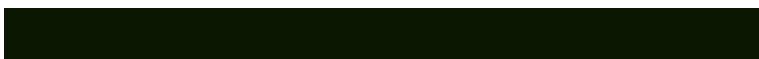
24.6954, 35.1502, 20.8616



8.2426, 9.1136, 8.5380



13.4634, 23.2377, 3.7757



0.4381, 0.6792, 0.1080

Inverse Universe

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



24.9923, 20.2677, 43.1543



39.9493, 29.8470, 76.2924



30.7833, 23.2775, 42.3232



7.9753, 7.9616, 10.0691



8.9361, 3.9666, 29.3392



0.3108, 0.1424, 0.8191

Previews

White Background



This preview shows how the XYZ color 28.9597, 37.3612, 20.4369 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 28.9597, 37.3612, 20.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

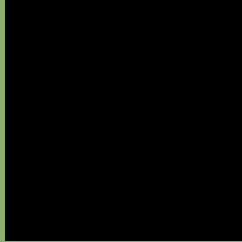
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9597, 37.3612, 20.4369

Background



This preview shows how black text looks on a background with the XYZ color 28.9597, 37.3612, 20.4369.



This preview shows how white text looks on a background with the XYZ color 28.9597, 37.3612,

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

28.9597, 37.3612, 20.4369

Protanopia

34.2371, 37.0565, 18.9838

Deuteranopia

37.8592, 37.0646, 21.0784



Tritanopia

34.6346, 37.4168, 48.5767

Trichromacy



Original Color

28.9597, 37.3612, 20.4369

Protanomaly

31.9663, 36.9593, 19.3590

Deuteranomaly

34.1606, 36.9733, 20.9589

Tritanomaly

32.1452, 37.2270, 36.5016

Monochromacy



Original Color

28.9597, 37.3612, 20.4369

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.7716, 35.0237, 29.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9597, 37.3612, 20.4369 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(140, 175, 110)` looks like.

```
.text, #text, p{  
    color:rgb(140, 175, 110)  
}
```

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(140, 175, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 175, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.9597, 37.3612, 20.4369 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(140, 175, 110) }
```


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

```
.border{ border-color:rgb(140, 175, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 175, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 175, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 175, 110);  
box-shadow:4px 4px 4px 4px rgb(140, 175,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9597, 37.3612, 20.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 175, 110) }
```

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

```
.background{ background-color: rgb(140,  
175, 110) }
```

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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