

Converting Colors

XYZ(28.4575, 36.7549, 23.0473)

Have a look what the booklet for
XYZ(28.4575, 36.7549, 23.0473)
contains.

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Color

**XYZ(28.4575, 36.7549,
23.0473)**

Conversions

Conversions Part 1

Format	Color
Hex	87AE77
RGB	135, 174, 119
RGB Percent	53%, 68%, 47%
CMY	0.4706, 0.3176, 0.5333
CMYK	0.22, 0.00, 0.32, 0.32
HSL	103°, 25%, 57%
HSV	103°, 32%, 68%
XYZ	28.4575, 36.7549, 23.0473
YIQ	156.0690, -5.5890, -25.3730

Conversions

Conversions Part 2

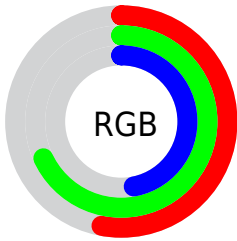
Format	Color
RYB	119, 174, 158
Decimal	8892023
CIELab	67.09, -23.66, 24.07
CIELCh	67, 33.754, 134.511
Yxy	36.7549, 0.3224, 0.4164
Android (android.graphics.Color)	4287082103 (0xFF87AE77)
YUV	156.0690, -18.2750, -18.4775
Hunter-Lab	60.6258, -22.3080, 19.8986

Details

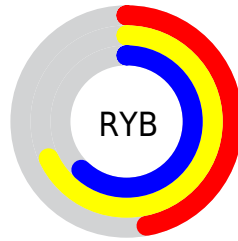
The XYZ color **28.4575, 36.7549, 23.0473** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.3389, 23.5198, 43.0925**, and the grayscale version is **31.7123, 33.3638, 36.3332**.

A 20% lighter version of the original color is **56.7295, 70.3910, 49.6266**, and **11.5990, 16.0018, 8.2717** is the 20% darker color. If you saturate the color by 10%, you get **25.6354, 35.4110, 17.9509**, and if you desaturate by 10%, it is **31.7030, 38.2971, 29.1638**.

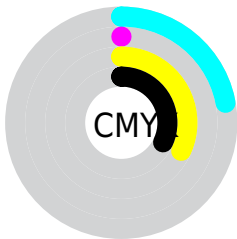
Distribution



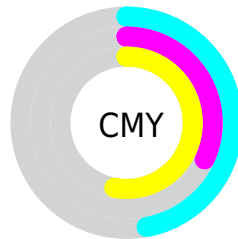
- Red (53%)
- Green (68%)
- Blue (47%)



- Red (47%)
- Yellow (68%)
- Blue (62%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (32%)



- Cyan (47%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4575, 36.7549, 23.0473 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 28.4575, 36.7549, 23.0473 by changing the saturation by 10% instead.

■ 28.4575, 36.7549,
23.0473

■ 28.4575, 36.7549,
23.0473

286.6872,
332.2482, 281.0976

■ 18.8130, 25.0178,
14.4228

■ 56.6176, 70.1957,
49.3952

■ 11.6385, 16.0903,
8.2732

■ 75.8639, 92.6681,
67.9556

■ 6.5684, 9.5881,
4.1800

■ 99.0416, 119.4877,
90.6651

■ 3.2376, 5.1267,
1.7246

126.5159,
151.0390, 117.9423

■ 1.2806, 2.3218,
0.3775

158.6523,
187.7063, 150.2055

■ 0.1687, 0.7852,
0.0000

195.8161,

■ 0.0000, 0.0000,

229.8740, 187.8735

0.0000

238.3726,
277.9265, 231.3647

■ 28.4575, 36.7549,
23.0473

■ 28.4575, 36.7549,
23.0473

■ 25.6354, 35.4110,
17.9509

■ 31.7030, 38.2971,
29.1638

■ 23.2155, 34.2526,
13.8167

■ 35.3861, 40.0406,
36.3492

■ 21.1792, 33.2722,
10.5848


■ 39.5240, 41.9942,
44.6521


■ 19.5048, 32.4603,
8.1877


■ 44.1318, 44.1649,
54.1173


■ 18.1684, 31.8063,
6.5481


■ 49.2241, 46.5593,
64.7873


 17.1426, 31.2980,
5.5747

 54.8149, 49.1835,
76.7023

 16.4827, 30.9674,
5.1086

 60.9174, 52.0436,
89.9007

 67.0242, 54.9374,
101.6792

 71.2109, 57.0957,
101.8751

Harmonies

Analogous

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



32.5175, 36.7549, 18.4064



28.4575, 36.7549, 23.0473



26.2543, 36.7549, 32.9312

Triad

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



28.4575, 36.7549, 23.0473



32.3626, 36.7549, 73.9377



45.3954, 36.7549, 33.3420

Complementary

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



28.4575, 36.7549, 23.0473



28.3389, 23.5198, 43.0925

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.



45.3435, 36.7549, 48.0591



28.4575, 36.7549, 23.0473



37.4683, 36.7549, 74.1259

Square

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



28.4575, 36.7549, 23.0473



28.3537, 36.7549, 63.3065



42.3263, 36.7549, 63.7708



42.4619, 36.7549, 23.2842

Rectangle

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



28.4575, 36.7549, 23.0473



25.9841, 36.7549, 42.2863



42.3263, 36.7549, 63.7708



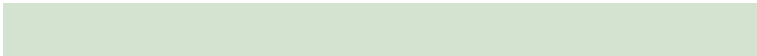
45.7350, 36.7549, 37.8358

Sweetspot

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



28.4584, 36.7565, 23.0481



65.9457, 73.4590, 69.4304



32.9286, 34.6156, 22.3993



14.4269, 16.2182, 14.9736



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.



28.4584, 36.7565, 23.0481



47.9244, 64.9101, 35.0889



26.7742, 35.8074, 26.6202



8.1152, 9.0480, 8.5321



12.0068, 22.4868, 3.7076



0.3890, 0.6539, 0.1057

Inverse Universe

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



28.3389, 23.5198, 43.0925



47.6607, 37.0450, 77.2753



30.6646, 24.8376, 37.8299



8.1067, 8.0293, 10.0752



11.5672, 5.3230, 29.4623



0.3726, 0.1743, 0.8220

Previews

White Background



This preview shows how the XYZ color 28.4575, 36.7549, 23.0473 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 28.4575, 36.7549, 23.0473 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 28.4575, 36.7549, 23.0473

Background



This preview shows how black text looks on a background with the XYZ color 28.4575, 36.7549, 23.0473.



This preview shows how white text looks on a background with the XYZ color 28.4575, 36.7549,

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

28.4575, 36.7549, 23.0473

Protanopia

34.0390, 36.6394, 21.1977

Deuteranopia

37.2018, 36.4135, 23.8066



Tritanopia

33.5515, 36.5875, 48.4738

Trichromacy



Original Color

28.4575, 36.7549, 23.0473

Protanomaly

31.6690, 36.4755, 21.8943

Deuteranomaly

33.4046, 36.2575, 23.6501

Tritanomaly

31.3440, 36.5073, 37.7424

Monochromacy



Original Color

28.4575, 36.7549, 23.0473

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.2679, 34.4735, 31.0454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4575, 36.7549, 23.0473 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, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 119)  
}
```

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, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.4575, 36.7549, 23.0473 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, 174, 119) }
```


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

```
.border{ border-color:rgb(135, 174, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4575, 36.7549, 23.0473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 119) }
```

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

```
.background{ background-color: rgb(135,  
174, 119) }
```

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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