

Converting Colors

XYZ(23.4973, 29.6468, 17.2373)

Have a look what the booklet for
XYZ(23.4973, 29.6468, 17.2373)
contains.

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Color

**XYZ(23.5584, 29.7603,
17.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	819D67
RGB	129, 157, 103
RGB Percent	51%, 62%, 40%
CMY	0.4941, 0.3843, 0.5961
CMYK	0.18, 0.00, 0.34, 0.38
HSL	91°, 22%, 51%
HSV	91°, 34%, 62%
XYZ	23.5584, 29.7603, 17.3346
YIQ	142.4720, 0.6460, -22.7300

Conversions

Conversions Part 2

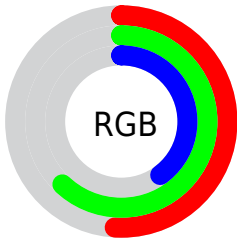
Format	Color
RYB	103, 157, 131
Decimal	8494439
CIELab	61.45, -19.74, 25.13
CIELCh	61, 31.960, 128.152
Yxy	29.7603, 0.3334, 0.4212
Android (android.graphics.Color)	4286684519 (0xFF819D67)
YUV	142.4720, -19.4597, -11.8149
Hunter-Lab	54.5530, -18.3836, 19.3473

Details

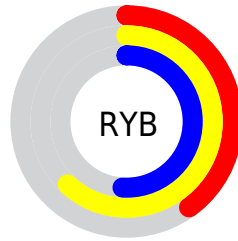
The XYZ color **23.5584, 29.7603, 17.3346** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.2973, 16.9609, 34.1039**, and the grayscale version is **25.9736, 27.3262, 29.7582**.

A 20% lighter version of the original color is **48.9883, 59.5208, 39.9171**, and **9.0681, 12.2462, 5.5002** is the 20% darker color. If you saturate the color by 10%, you get **21.6556, 28.8629, 13.5112**, and if you desaturate by 10%, it is **25.7093, 30.7703, 21.9433**.

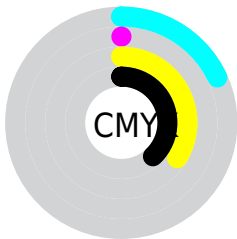
Distribution



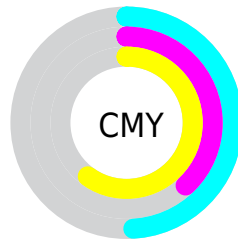
- Red (51%)
- Green (62%)
- Blue (40%)



- Red (40%)
- Yellow (62%)
- Blue (51%)



- Cyan (18%)
- Magenta (0%)
- Yellow (34%)
- Black (38%)



- Cyan (49%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5584, 29.7603, 17.3346 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 23.5584, 29.7603, 17.3346 by changing the saturation by 10% instead.

■ 23.5584, 29.7603,
17.3346

■ 23.5584, 29.7603,
17.3346

263.0623,
300.7856, 249.2022

■ 15.1293, 19.6567,
10.3089

■ 48.7685, 59.2829,
39.6987

■ 8.9971, 12.1458,
5.4959

■ 66.2803, 79.4707,
55.8741

■ 4.7964, 6.8430,
2.4773

■ 87.5504, 103.7887,
75.9365

■ 2.1618, 3.3641,
0.8281

■ 112.9441,
132.6213, 100.3044

■ 0.7225, 1.3247,
0.0000

142.8268,
166.3529, 129.3964

■ 0.0000, 0.1602,
0.0000

177.5638,

■ 0.0000, 0.0000,

205.3679, 163.6310

0.0000

217.5205,
250.0506, 203.4268

■ 23.5584, 29.7603,
17.3346

■ 23.5584, 29.7603,
17.3346

■ 21.6556, 28.8629,
13.5112

■ 25.7093, 30.7703,
21.9433

■ 19.9880, 28.0698,
10.4274

■ 28.1158, 31.8931,
27.3758

■ 18.5449, 27.3773,
8.0356


■ 30.7881, 33.1342,
33.6703


■ 17.3137, 26.7801,
6.2819


■ 33.7348, 34.4971,
40.8623


■ 16.2800, 26.2722,
5.1047


■ 36.9643, 35.9856,
48.9850


 15.4268, 25.8465,
4.4285

 40.4846, 37.6029,
58.0701

 15.0054, 25.6348,
4.1571

 44.3032, 39.3523,
68.1477

 48.4274, 41.2371,
79.2466

 52.8644, 43.2601,
91.3945

Harmonies

Analogous

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



27.1498, 29.7603, 14.3975



23.5584, 29.7603, 17.3346



21.3957, 29.7603, 24.4933

Triad

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



23.5584, 29.7603, 17.3346



25.3693, 29.7603, 59.1535



37.1149, 29.7603, 29.2153

Complementary

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



23.5584, 29.7603, 17.3346



20.2973, 16.9609, 34.1039

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.



36.5171, 29.7603, 41.8570



23.5584, 29.7603, 17.3346



29.4540, 29.7603, 61.3246

Square

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



23.5584, 29.7603, 17.3346



22.3664, 29.7603, 49.0075



33.6078, 29.7603, 54.3609



35.1682, 29.7603, 20.0508

Rectangle

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



23.5584, 29.7603, 17.3346



20.9183, 29.7603, 31.6594



33.6078, 29.7603, 54.3609



37.2083, 29.7603, 33.1600

Sweetspot

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



23.5592, 29.7616, 17.3352



52.3026, 58.0226, 53.5707



24.4568, 24.3542, 16.2442



11.3741, 12.7049, 11.4722



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.5592, 29.7616, 17.3352



39.6280, 52.0890, 25.8496



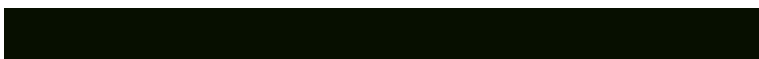
20.1450, 27.9963, 17.4126



6.8394, 7.5498, 7.0825



12.2290, 20.8410, 3.3782



0.2673, 0.3977, 0.0627

Inverse Universe

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



20.2973, 16.9609, 34.1039



32.9135, 25.7434, 60.3610



24.7652, 19.2731, 33.9133



6.5964, 6.5959, 8.3322



7.7707, 3.4349, 26.1607



0.1877, 0.0865, 0.4700

Previews

White Background



This preview shows how the XYZ color 23.5584, 29.7603, 17.3346 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 23.5584, 29.7603, 17.3346 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 23.5584, 29.7603, 17.3346

Background



This preview shows how black text looks on a background with the XYZ color 23.5584, 29.7603, 17.3346.



This preview shows how white text looks on a background with the XYZ color 23.5584, 29.7603,

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

23.5584, 29.7603, 17.3346

Protanopia

27.3392, 29.5542, 16.0680

Deuteranopia

30.1790, 29.6167, 17.7617



Tritanopia

27.9092, 29.8246, 38.4682

Trichromacy



Original Color

23.5584, 29.7603, 17.3346

Protanomaly

25.7613, 29.4429, 16.3819

Deuteranomaly

27.2816, 29.2583, 17.5741

Tritanomaly

26.1906, 29.8564, 29.5818

Monochromacy



Original Color

23.5584, 29.7603, 17.3346

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.6465, 27.7443, 24.4783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5584, 29.7603, 17.3346 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(129, 157, 103)` looks like.

```
.text, #text, p{  
    color:rgb(129, 157, 103)  
}
```

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(129, 157, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 157, 103) }
```

Border

The CSS property to change the border of an element to XYZ 23.5584, 29.7603, 17.3346 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(129, 157, 103) }
```


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

```
.border{ border-color:rgb(129, 157, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 157, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 157, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 157, 103);  
box-shadow:4px 4px 4px 4px rgb(129, 157,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5584, 29.7603, 17.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 157, 103) }
```

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

```
.background{ background-color: rgb(129,  
157, 103) }
```

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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