

Converting Colors

XYZ(16.9209, 23.0269, 14.2011)

Have a look what the booklet for
XYZ(16.9209, 23.0269, 14.2011)
contains.

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Color

**XYZ(16.9884, 23.1057,
14.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	638F5E
RGB	99, 143, 94
RGB Percent	39%, 56%, 37%
CMY	0.6118, 0.4392, 0.6314
CMYK	0.31, 0.00, 0.34, 0.44
HSL	114°, 21%, 46%
HSV	114°, 34%, 56%
XYZ	16.9884, 23.1057, 14.1541
YIQ	124.2580, -10.4950, -24.5670

Conversions

Conversions Part 2

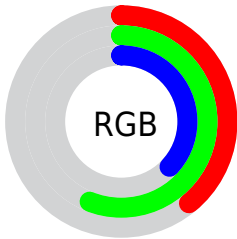
Format	Color
R_{YB}	94, 143, 138
Decimal	6524766
CIE _{Lab}	55.18, -25.17, 21.41
CIE _{LCh}	55, 33.042, 139.608
Yxy	23.1057, 0.3132, 0.4259
Android (android.graphics.Color)	4284714846 (0xFF638F5E)
YUV	124.2580, -14.9172, -22.1513
Hunter-Lab	48.0684, -21.0340, 16.1895

Details

The XYZ color **16.9884, 23.1057, 14.1541** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4429, 15.3925, 27.9341**, and the grayscale version is **19.2955, 20.3003, 22.1071**.

A 20% lighter version of the original color is **37.8396, 48.5561, 34.1660**, and **5.6556, 8.5376, 4.0392** is the 20% darker color. If you saturate the color by 10%, you get **15.1123, 22.2066, 11.0214**, and if you desaturate by 10%, it is **19.2078, 24.1694, 17.9245**.

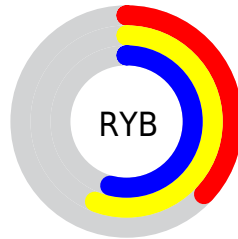
Distribution



Red (39%)

Green (56%)

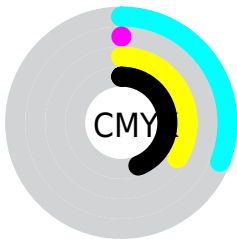
Blue (37%)



Red (37%)

Yellow (56%)

Blue (54%)

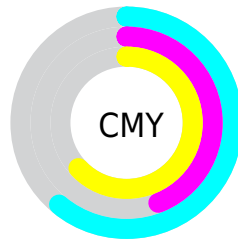


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (44%)



Cyan (61%)

Magenta (44%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9884, 23.1057, 14.1541 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 16.9884, 23.1057, 14.1541 by changing the saturation by 10% instead.

■ 16.9884, 23.1057,
14.1541

■ 16.9884, 23.1057,
14.1541

228.2631,
268.2674, 229.6491

■ 10.3215, 14.6716,
8.0879

■ 37.8496, 48.5668,
34.0833

■ 5.6765, 8.5892,
4.0627

■ 52.7746, 66.3626,
48.7833

■ 2.6882, 4.4742,
1.6598

■ 71.1829, 88.0478,
67.1985

■ 0.9911, 1.9422,
0.3330

■ 93.4400, 114.0066,
89.7472

■ 0.0000, 0.5736,
0.0000

119.9112,
144.6236, 116.8481

■ 0.0000, 0.0000,
0.0000

150.9619,

180.2832, 148.9197

186.9574,
221.3696, 186.3805

■ 16.9884, 23.1057,
14.1541

■ 16.9884, 23.1057,
14.1541

■ 15.1123, 22.2066,
11.0214

■ 19.2078, 24.1694,
17.9245

■ 13.5605, 21.4611,
8.4898

■ 21.7845, 25.4021,
22.3634

■ 12.3151, 20.8613,
6.5212


■ 24.7340, 26.8120,
27.5018


■ 11.3555, 20.3977,
5.0725


■ 28.0704, 28.4056,
33.3678

■ 10.6588, 20.0594,
4.0947


■ 31.8071, 30.1892,
39.9884


 10.1977, 19.8338,
3.5263

 35.9566, 32.1689,
47.3891

 10.0133, 19.7440,
3.2832

 40.5312, 34.3503,
55.5939

 45.5424, 36.7390,
64.6263

 51.0014, 39.3401,
74.5084

Harmonies

Analogous

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



19.6652, 23.1057, 10.4606



16.9884, 23.1057, 14.1541



15.6955, 23.1057, 21.6680

Triad

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



16.9884, 23.1057, 14.1541



20.7061, 23.1057, 50.9055



29.3461, 23.1057, 18.9365

Complementary

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



16.9884, 23.1057, 14.1541



19.4429, 15.3925, 27.9341

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.



29.7056, 23.1057, 29.0044



16.9884, 23.1057, 14.1541



24.4295, 23.1057, 49.5655

Square

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



16.9884, 23.1057, 14.1541



17.6769, 23.1057, 44.0254



27.8207, 23.1057, 40.7570



26.8874, 23.1057, 12.6382

Rectangle

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



16.9884, 23.1057, 14.1541



15.6820, 23.1057, 28.7046



27.8207, 23.1057, 40.7570



29.7262, 23.1057, 21.9166

Sweetspot

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



16.9890, 23.1067, 14.1546



41.0706, 46.4740, 43.6248



22.3351, 24.6209, 14.1651



9.2689, 10.5860, 9.7441



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.9890, 23.1067, 14.1546



27.8147, 40.1277, 20.9824



17.4077, 23.2130, 19.1226



5.3908, 6.0541, 5.7738



8.8627, 17.4615, 2.9033



0.0928, 0.1711, 0.0281

Inverse Universe

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



19.4429, 15.3925, 27.9341



32.8800, 24.1745, 49.4712



18.9830, 15.3063, 21.0954



5.5728, 5.4835, 6.7935



12.3198, 5.8447, 23.4559



0.1279, 0.0611, 0.2247

Previews

White Background



This preview shows how the XYZ color 16.9884, 23.1057, 14.1541 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 16.9884, 23.1057, 14.1541 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 16.9884, 23.1057, 14.1541

Background



This preview shows how black text looks on a background with the XYZ color 16.9884, 23.1057, 14.1541.



This preview shows how white text looks on a background with the XYZ color 16.9884, 23.1057,

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

16.9884, 23.1057, 14.1541

Protanopia

21.3821, 23.0634, 12.7759

Deuteranopia

23.1830, 22.7721, 14.7289



Tritanopia

20.2550, 22.9030, 30.9569

Trichromacy



Original Color

16.9884, 23.1057, 14.1541

Protanomaly

19.4449, 22.8757, 13.2881

Deuteranomaly

20.4006, 22.5165, 14.5802

Tritanomaly

18.9546, 23.0270, 23.8677

Monochromacy



Original Color

16.9884, 23.1057, 14.1541

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1672, 21.0697, 18.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9884, 23.1057, 14.1541 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(99, 143, 94)` looks like.

```
.text, #text, p{  
    color:rgb(99, 143, 94)  
}
```

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(99, 143, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 143, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.9884, 23.1057, 14.1541 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(99, 143, 94) }
```


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

```
.border{ border-color:rgb(99, 143, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 143, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 143, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 143, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 143,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9884, 23.1057, 14.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 143, 94) }
```

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

```
.background{ background-color: rgb(99, 143,  
94) }
```

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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