

Converting Colors

XYZ(16.5045, 23.2034, 16.1884)

Have a look what the booklet for
XYZ(16.5045, 23.2034, 16.1884)
contains.

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Color

**XYZ(16.5482, 23.2848,
16.1926)**

Conversions

Conversions Part 1

Format	Color
Hex	589166
RGB	88, 145, 102
RGB Percent	35%, 57%, 40%
CMY	0.6549, 0.4314, 0.6000
CMYK	0.39, 0.00, 0.30, 0.43
HSL	135°, 24%, 46%
HSV	135°, 39%, 57%
XYZ	16.5482, 23.2848, 16.1926
YIQ	123.0550, -20.1690, -25.4570

Conversions

Conversions Part 2

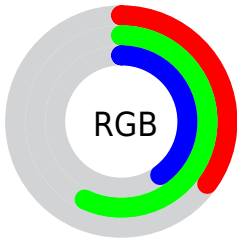
Format	Color
R_{YB}	88, 134, 145
Decimal	5804390
CIE _{Lab}	55.36, -28.41, 17.08
CIE _{LCh}	55, 33.150, 148.986
Yxy	23.2848, 0.2954, 0.4156
Android (android.graphics.Color)	4283994470 (0xFF589166)
YUV	123.0550, -10.3801, -30.7432
Hunter-Lab	48.2543, -23.2308, 13.8822

Details

The XYZ color **16.5482, 23.2848, 16.1926** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2643, 14.6385, 23.2839**, and the grayscale version is **18.8833, 19.8667, 21.6349**.

A 20% lighter version of the original color is **36.9884, 48.7222, 37.5918**, and **5.4552, 8.6746, 5.0013** is the 20% darker color. If you saturate the color by 10%, you get **14.8026, 22.4442, 13.4636**, and if you desaturate by 10%, it is **18.6396, 24.2968, 19.3125**.

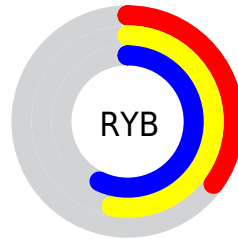
Distribution



Red (35%)

Green (57%)

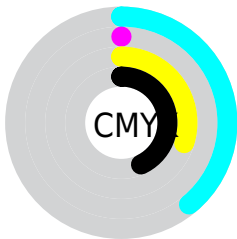
Blue (40%)



Red (35%)

Yellow (53%)

Blue (57%)

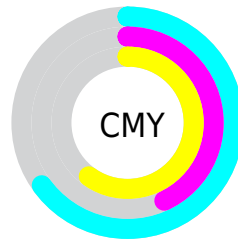


Cyan (39%)

Magenta (0%)

Yellow (30%)

Black (43%)



Cyan (65%)

Magenta (43%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5482, 23.2848, 16.1926 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 16.5482, 23.2848, 16.1926 by changing the saturation by 10% instead.

■ 16.5482, 23.2848,
16.1926

■ 16.5482, 23.2848,
16.1926

225.7625,
269.1844, 242.3599

■ 10.0062, 14.8039,
9.5047

■ 37.0971, 48.8605,
37.7037

■ 5.4654, 8.6819,
4.9705

■ 51.8348, 66.7242,
53.3640

■ 2.5603, 4.5343,
2.1716

■ 70.0350, 88.4843,
72.8521

■ 0.9258, 1.9767,
0.6579

■ 92.0632, 114.5252,
96.5867

■ 0.0000, 0.5939,
0.0000

118.2847,
145.2312, 124.9862

■ 0.0000, 0.0000,
0.0000

149.0648,

180.9868, 158.4692

184.7690,
222.1765, 197.4543

■ 16.5482, 23.2848,
16.1926

■ 16.5482, 23.2848,
16.1926

■ 14.8026, 22.4442,
13.4636

■ 18.6396, 24.2968,
19.3125

■ 13.3821, 21.7625,
11.1087

■ 21.0927, 25.4859,
22.8363

■ 12.2661, 21.2302,
9.1117


■ 23.9243, 26.8613,
26.7784


■ 11.4312, 20.8357,
7.4550


■ 27.1498, 28.4307,
31.1519


■ 10.8504, 20.5652,
6.1195


■ 30.7836, 30.2011,
35.9693


 10.4624, 20.3877,
5.0825

 34.8396, 32.1795,
41.2427

 10.4384, 20.3767,
5.0212

 39.3308, 34.3724,
46.9837

 44.2698, 36.7860,
53.2035

 49.6684, 39.4262,
59.9129

Harmonies

Analogous

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



18.8421, 23.2848, 11.3207



16.5482, 23.2848, 16.1926



15.7206, 23.2848, 24.9922

Triad

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



16.5482, 23.2848, 16.1926



22.0051, 23.2848, 51.8565



28.9990, 23.2848, 16.6631

Complementary

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



16.5482, 23.2848, 16.1926



19.2643, 14.6385, 23.2839

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.



30.0841, 23.2848, 25.7177



16.5482, 23.2848, 16.1926



25.7831, 23.2848, 47.8345

Square

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



16.5482, 23.2848, 16.1926



18.6457, 23.2848, 47.2828



28.8476, 23.2848, 37.4452



26.0267, 23.2848, 11.5339

Rectangle

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



16.5482, 23.2848, 16.1926



16.0316, 23.2848, 32.6212



28.8476, 23.2848, 37.4452



29.6103, 23.2848, 19.2538

Sweetspot

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



16.5488, 23.2858, 16.1931



41.2805, 47.3432, 45.7998



21.3566, 25.8378, 13.0944



9.0547, 10.4695, 10.0104



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.



16.5488, 23.2858, 16.1931



26.8899, 40.3762, 24.7215



18.1665, 23.9328, 24.7117



5.3938, 6.0498, 6.0398



8.9622, 17.4807, 4.3549



0.0933, 0.1702, 0.0819

Inverse Universe

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



19.2643, 14.6385, 23.2839



32.4376, 22.6839, 39.1880



17.6257, 13.9830, 14.6552



5.5704, 5.4887, 6.5018



12.4119, 6.1218, 13.0864



0.1274, 0.0620, 0.1710

Previews

White Background



This preview shows how the XYZ color 16.5482, 23.2848, 16.1926 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 16.5482, 23.2848, 16.1926 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 16.5482, 23.2848, 16.1926

Background



This preview shows how black text looks on a background with the XYZ color 16.5482, 23.2848, 16.1926.



This preview shows how white text looks on a background with the XYZ color 16.5482, 23.2848,

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

16.5482, 23.2848, 16.1926

Protanopia

21.5179, 23.0978, 14.3905

Deuteranopia

23.5173, 23.0894, 16.8529



Tritanopia

19.7746, 23.2639, 32.3023

Trichromacy



Original Color

16.5482, 23.2848, 16.1926

Protanomaly

19.1763, 22.9107, 14.9668

Deuteranomaly

20.2808, 22.8159, 16.6996

Tritanomaly

18.3746, 23.1229, 25.6850

Monochromacy



Original Color

16.5482, 23.2848, 16.1926

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6412, 20.7854, 19.3018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5482, 23.2848, 16.1926 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(88, 145, 102)` looks like.

```
.text, #text, p{  
    color:rgb(88, 145, 102)  
}
```

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(88, 145, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 145, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.5482, 23.2848, 16.1926 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(88, 145, 102) }
```


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

```
.border{ border-color:rgb(88, 145, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 145, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 145, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 145, 102);  
box-shadow:4px 4px 4px 4px rgb(88, 145,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5482, 23.2848, 16.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 145, 102) }
```

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

```
.background{ background-color: rgb(88, 145,  
102) }
```

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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