

Converting Colors

XYZ(16.5675, 21.3927, 15.9000)

Have a look what the booklet for
XYZ(16.5675, 21.3927, 15.9000)
contains.

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Color

**XYZ(16.4580, 21.2770,
15.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	648866
RGB	100, 136, 102
RGB Percent	39%, 53%, 40%
CMY	0.6078, 0.4667, 0.6000
CMYK	0.26, 0.00, 0.25, 0.47
HSL	123°, 15%, 46%
HSV	123°, 26%, 53%
XYZ	16.4580, 21.2770, 15.8098
YIQ	121.3600, -10.5420, -18.2060

Conversions

Conversions Part 2

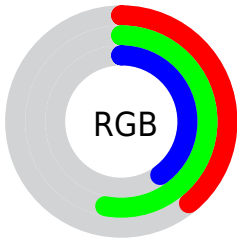
Format	Color
R_{YB}	100, 134, 136
Decimal	6588518
CIE _{Lab}	53.25, -19.81, 14.28
CIE _{LCh}	53, 24.420, 144.217
Yxy	21.2770, 0.3074, 0.3974
Android (android.graphics.Color)	4284778598 (0xFF648866)
YUV	121.3600, -9.5445, -18.7327
Hunter-Lab	46.1270, -17.0339, 11.9675

Details

The XYZ color **16.4580, 21.2770, 15.8098** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.0144, 16.0703, 24.6550**, and the grayscale version is **18.3234, 19.2776, 20.9933**.

A 20% lighter version of the original color is **36.8963, 45.3705, 36.9497**, and **5.4336, 7.6615, 4.8069** is the 20% darker color. If you saturate the color by 10%, you get **14.4891, 20.3306, 12.6462**, and if you desaturate by 10%, it is **18.7779, 22.3942, 19.5060**.

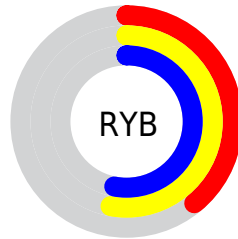
Distribution



Red (39%)

Green (53%)

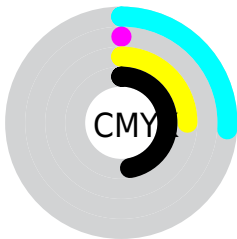
Blue (40%)



Red (39%)

Yellow (53%)

Blue (53%)

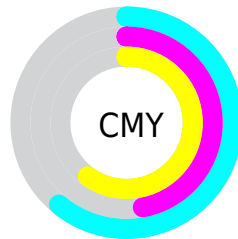


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (47%)



Cyan (61%)

Magenta (47%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4580, 21.2770, 15.8098 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 16.4580, 21.2770, 15.8098 by changing the saturation by 10% instead.

■ 16.4580, 21.2770,
15.8098

■ 16.4580, 21.2770,
15.8098

225.2470,
258.7469, 240.0240

■ 9.9417, 13.3266,
9.2368

■ 36.9426, 45.5481,
37.0299

■ 5.4223, 7.6538,
4.7970

■ 51.6416, 62.6376,
52.5140

■ 2.5344, 3.8743,
2.0720

■ 69.7988, 83.5423,
71.8056

■ 0.9126, 1.6035,
0.5990

■ 91.7798, 108.6465,
95.3231

■ 0.0000, 0.3599,
0.0000

117.9497,
138.3347, 123.4852

■ 0.0000, 0.0000,
0.0000

148.6740,

172.9912, 156.7104

184.3179,
213.0005, 195.4171

■ 16.4580, 21.2770,
15.8098

■ 16.4580, 21.2770,
15.8098

■ 14.4891, 20.3306,
12.6462

■ 18.7779, 22.3942,
19.5060

■ 12.8525, 19.5440,
9.9894

■ 21.4630, 23.6871,
23.7563

■ 11.5304, 18.9092,
7.8135

■ 24.5286, 25.1638,
28.5827

■ 10.5026, 18.4165,
6.0897

■ 27.9889, 26.8312,
34.0056

■ 9.7465, 18.0548,
4.7862

■ 31.8571, 28.6957,
40.0443

■ 9.2363, 17.8116,
3.8671

■ 36.1460, 30.7635,
46.7174

■ 8.9316, 17.6669,
3.2900

■ 40.8677, 33.0403,
54.0427

■ 8.8460, 17.6257,
3.1529

■ 46.0338, 35.5320,
62.0371

■ 51.6556, 38.2438,
70.7171

Harmonies

Analogous

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



18.2548, 21.2770, 12.4710



16.4580, 21.2770, 15.8098



15.6761, 21.2770, 21.7640

Triad

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



16.4580, 21.2770, 15.8098



19.7271, 21.2770, 40.3823



25.0959, 21.2770, 17.8118

Complementary

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



16.4580, 21.2770, 15.8098



19.0144, 16.0703, 24.6550

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.



25.5741, 21.2770, 24.6291



16.4580, 21.2770, 15.8098



22.3282, 21.2770, 38.6993

Square

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



16.4580, 21.2770, 15.8098



17.4576, 21.2770, 36.7176



24.5228, 21.2770, 32.5122



23.2664, 21.2770, 13.4430

Rectangle

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



16.4580, 21.2770, 15.8098



15.7833, 21.2770, 26.8364



24.5228, 21.2770, 32.5122



25.4261, 21.2770, 19.8484

Sweetspot

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



16.4586, 21.2779, 15.8103



36.9703, 41.3313, 40.5182



20.9688, 23.6143, 15.5097



8.4075, 9.4975, 9.1395



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.4586, 21.2779, 15.8103



26.7733, 36.4233, 24.2842



17.4384, 21.6698, 20.9700



4.9824, 5.6124, 5.4283



8.3732, 16.6819, 2.9902



0.0569, 0.1113, 0.0266

Inverse Universe

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



19.0144, 16.0703, 24.6550



32.0928, 25.5825, 42.6913



17.8753, 15.6147, 18.6565



5.2221, 5.1243, 6.2578



13.3264, 6.4407, 20.0209



0.0902, 0.0435, 0.1419

Previews

White Background



This preview shows how the XYZ color 16.4580, 21.2770, 15.8098 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 16.4580, 21.2770, 15.8098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

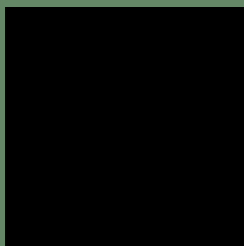
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4580, 21.2770, 15.8098

Background



This preview shows how black text looks on a background with the XYZ color 16.4580, 21.2770, 15.8098.



This preview shows how white text looks on a background with the XYZ color 16.4580, 21.2770,

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

16.4580, 21.2770, 15.8098

Protanopia

19.7857, 21.2115, 14.6067

Deuteranopia

21.5420, 21.1420, 16.3100



Tritanopia

18.9874, 21.2815, 28.3063

Trichromacy



Original Color

16.4580, 21.2770, 15.8098

Protanomaly

18.2608, 21.0037, 14.8961

Deuteranomaly

19.2940, 20.9240, 16.1185

Tritanomaly

17.9272, 21.2504, 23.2355

Monochromacy



Original Color

16.4580, 21.2770, 15.8098

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.3082, 19.6473, 18.7997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4580, 21.2770, 15.8098 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(100, 136, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 136, 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(100, 136, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 136, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.4580, 21.2770, 15.8098 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(100, 136, 102) }
```


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

```
.border{ border-color:rgb(100, 136, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 136, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 136, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 136, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 136,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4580, 21.2770, 15.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 136, 102) }
```

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

```
.background{ background-color: rgb(100,  
136, 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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