

Converting Colors

XYZ(17.7813, 23.2292, 16.8504)

Have a look what the booklet for
XYZ(17.7813, 23.2292, 16.8504)
contains.

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Color

**XYZ(17.8163, 23.2495,
16.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	678E69
RGB	103, 142, 105
RGB Percent	40%, 56%, 41%
CMY	0.5961, 0.4431, 0.5882
CMYK	0.27, 0.00, 0.26, 0.44
HSL	123°, 16%, 48%
HSV	123°, 27%, 56%
XYZ	17.8163, 23.2495, 16.9132
YIQ	126.1210, -11.3670, -19.7750

Conversions

Conversions Part 2

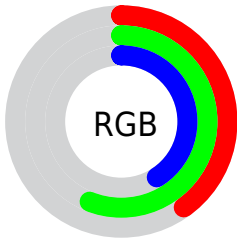
Format	Color
R_{YB}	103, 140, 142
Decimal	6786665
CIE _{Lab}	55.33, -21.30, 15.47
CIE _{LCh}	55, 26.323, 144.009
Yxy	23.2495, 0.3073, 0.4010
Android (android.graphics.Color)	4284976745 (0xFF678E69)
YUV	126.1210, -10.4127, -20.2771
Hunter-Lab	48.2177, -18.4259, 12.9554

Details

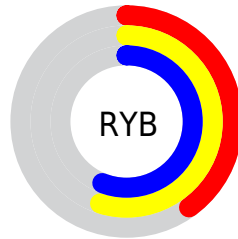
The XYZ color **17.8163, 23.2495, 16.9132** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.7399, 17.3452, 27.0666**, and the grayscale version is **19.9099, 20.9468, 22.8111**.

A 20% lighter version of the original color is **39.2582, 48.8487, 38.8121**, and **6.1122, 8.7441, 5.3686** is the 20% darker color. If you saturate the color by 10%, you get **15.6854, 22.2254, 13.4810**, and if you desaturate by 10%, it is **20.3348, 24.4621, 20.9372**.

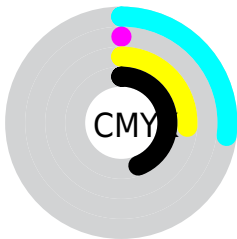
Distribution



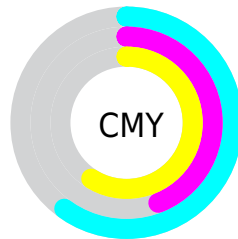
- Red (40%)
- Green (56%)
- Blue (41%)



- Red (40%)
- Yellow (55%)
- Blue (56%)



- Cyan (27%)
- Magenta (0%)
- Yellow (26%)
- Black (44%)



- Cyan (60%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8163, 23.2495, 16.9132 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 17.8163, 23.2495, 16.9132 by changing the saturation by 10% instead.

■ 17.8163, 23.2495,
16.9132

■ 17.8163, 23.2495,
16.9132

232.8992,
269.0039, 246.6987

■ 10.9171, 14.7778,
10.0113

■ 39.2566, 48.8027,
38.9651

■ 6.0780, 8.6636,
5.3008

■ 54.5284, 66.6530,
54.9522

■ 2.9337, 4.5224,
2.3630

■ 73.3217, 88.3983,
74.8047

■ 1.1188, 1.9699,
0.7662

■ 96.0020, 114.4231,
98.9413

■ 0.0407, 0.5899,
0.0000

122.9345,
145.1116, 127.7805

■ 0.0000, 0.0000,
0.0000

154.4846,

180.8483, 161.7407

191.0178,
222.0176, 201.2406

■ 17.8163, 23.2495,
16.9132

■ 17.8163, 23.2495,
16.9132

■ 15.6854, 22.2254,
13.4810

■ 20.3348, 24.4621,
20.9372

■ 13.9211, 21.3776,
10.6112

■ 23.2569, 25.8688,
25.5775

■ 12.5034, 20.6970,
8.2743

■ 26.5998, 27.4787,
30.8588

■ 11.4092, 20.1724,
6.4375

■ 30.3794, 29.2994,
36.8044

■ 10.6132, 19.7916,
5.0644

■ 34.6105, 31.3383,
43.4361

■ 10.0858, 19.5403,
4.1136

■ 39.3075, 33.6021,
50.7750

■ 9.7772, 19.3936,
3.5356

■ 44.4838, 36.0974,
58.8410

■ 9.7134, 19.3629,
3.4347

■ 50.1526, 38.8306,
67.6534

■ 56.3265, 41.8077,
77.2307

Harmonies

Analogous

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



19.8681, 23.2495, 13.1798



17.8163, 23.2495, 16.9132



16.9200, 23.2495, 23.6556

Triad

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



17.8163, 23.2495, 16.9132



21.5108, 23.2495, 45.1672



27.6989, 23.2495, 19.2601

Complementary

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



17.8163, 23.2495, 16.9132



20.7399, 17.3452, 27.0666

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.



28.2372, 23.2495, 27.0497



17.8163, 23.2495, 16.9132



24.4887, 23.2495, 43.2566

Square

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



17.8163, 23.2495, 16.9132



18.9274, 23.2495, 40.8765



27.0159, 23.2495, 36.1195



25.6042, 23.2495, 14.3086

Rectangle

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



17.8163, 23.2495, 16.9132



17.0356, 23.2495, 29.4571



27.0159, 23.2495, 36.1195



28.0753, 23.2495, 21.5802

Sweetspot

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



17.8169, 23.2505, 16.9137



40.6249, 45.4299, 44.4922



22.9458, 25.9063, 16.6231



8.9085, 10.0674, 9.6757



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.8169, 23.2505, 16.9137



29.0013, 39.8363, 25.9401



18.9338, 23.6972, 22.7951



5.3534, 6.0336, 5.8269



8.7229, 17.3850, 3.0950



0.0852, 0.1669, 0.0390

Inverse Universe

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



20.7399, 17.3452, 27.0666



35.0443, 27.6253, 46.9283



19.4299, 16.8211, 20.1681



5.6145, 5.5063, 6.7338



13.9264, 6.7276, 21.0614



0.1355, 0.0653, 0.2139

Previews

White Background



This preview shows how the XYZ color 17.8163, 23.2495, 16.9132 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 17.8163, 23.2495, 16.9132 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 17.8163, 23.2495, 16.9132

Background



This preview shows how black text looks on a background with the XYZ color 17.8163, 23.2495, 16.9132.



This preview shows how white text looks on a background with the XYZ color 17.8163, 23.2495,

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

17.8163, 23.2495, 16.9132

Protanopia

21.5360, 23.0853, 15.3774

Deuteranopia

23.4330, 23.0338, 17.3983



Tritanopia

20.6262, 23.0944, 30.9743

Trichromacy



Original Color

17.8163, 23.2495, 16.9132

Protanomaly

19.9548, 23.0797, 15.9735

Deuteranomaly

20.8968, 22.7150, 17.1930

Tritanomaly

19.4377, 23.0310, 25.2508

Monochromacy



Original Color

17.8163, 23.2495, 16.9132

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9925, 21.6621, 20.3197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8163, 23.2495, 16.9132 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(103, 142, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 142, 105)  
}
```

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(103, 142, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 142, 105) }
```

Border

The CSS property to change the border of an element to XYZ 17.8163, 23.2495, 16.9132 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(103, 142, 105) }
```


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

```
.border{ border-color:rgb(103, 142, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 142, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 142, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 142, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 142,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8163, 23.2495, 16.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 142, 105) }
```

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

```
.background{ background-color: rgb(103,  
142, 105) }
```

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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