

Converting Colors

XYZ(17.8227, 23.8616, 16.0397)

Have a look what the booklet for
XYZ(17.8227, 23.8616, 16.0397)
contains.

XYZ(17.8412, 23.9571, 15.9958)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8412, 23.9571,
15.9958)**

Conversions

Conversions Part 1

Format	Color
Hex	659165
RGB	101, 145, 101
RGB Percent	40%, 57%, 40%
CMY	0.6039, 0.4314, 0.6039
CMYK	0.30, 0.00, 0.30, 0.43
HSL	120°, 18%, 48%
HSV	120°, 30%, 57%
XYZ	17.8412, 23.9571, 15.9958
YIQ	126.8280, -12.1000, -23.0120

Conversions

Conversions Part 2

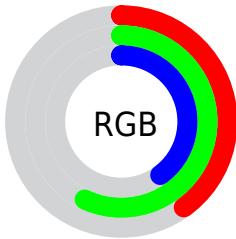
Format	Color
R_{YB}	101, 145, 145
Decimal	6656357
CIE _{Lab}	56.04, -24.25, 18.68
CIE _{LCh}	56, 30.616, 142.389
Y _{xy}	23.9571, 0.3087, 0.4145
Android (android.graphics.Color)	4284846437 (0xFF659165)
YUV	126.8280, -12.7332, -22.6512
Hunter-Lab	48.9460, -20.5908, 14.8859

Details

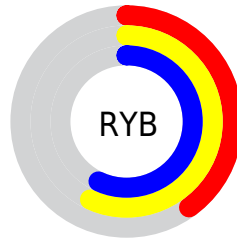
The XYZ color **17.8412, 23.9571, 15.9958** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.4424, 17.3719, 29.0120**, and the grayscale version is **20.1596, 21.2094, 23.0971**.

A 20% lighter version of the original color is **39.2278, 49.8862, 37.2672**, and **6.0847, 9.0018, 4.9069** is the 20% darker color. If you saturate the color by 10%, you get **15.7099, 22.9340, 12.5091**, and if you desaturate by 10%, it is **20.3856, 25.1800, 20.1572**.

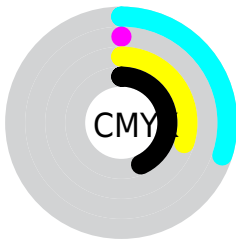
Distribution



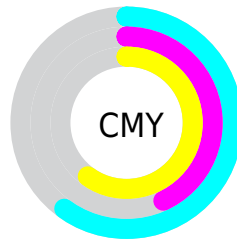
- Red (40%)
- Green (57%)
- Blue (40%)



- Red (40%)
- Yellow (57%)
- Blue (57%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (43%)



- Cyan (60%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8412, 23.9571, 15.9958 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 17.8412, 23.9571, 15.9958 by changing the saturation by 10% instead.

■ 17.8412, 23.9571,
15.9958

■ 17.8412, 23.9571,
15.9958

233.0374,
272.6035, 241.1618

■ 10.9350, 15.3018,
9.3669

■ 39.2988, 49.9602,
37.3576

■ 6.0901, 9.0315,
4.8812

■ 54.5809, 68.0768,
52.9275

■ 2.9411, 4.7617,
2.1202

■ 73.3856, 90.1159,
72.3149

■ 1.1227, 2.1081,
0.6277

■ 96.0785, 116.4619,
95.9382

■ 0.0440, 0.6692,
0.0000

123.0247,
147.4993, 124.2160

■ 0.0000, 0.0000,
0.0000

154.5897,

183.6125, 157.5669

191.1388,
225.1857, 196.4093

■ 17.8412, 23.9571,
15.9958

■ 17.8412, 23.9571,
15.9958

■ 15.7099, 22.9340,
12.5091

■ 20.3856, 25.1800,
20.1572

■ 13.9681, 22.0974,
9.6602

■ 23.3614, 26.6094,
25.0245

■ 12.5930, 21.4368,
7.4108


■ 26.7878, 28.2553,
30.6290


■ 11.5582, 20.9398,
5.7182


■ 30.6825, 30.1261,
36.9994


■ 10.8342, 20.5920,
4.5340


■ 35.0622, 32.2300,
44.1632


 10.3862, 20.3768,
3.8012

 39.9428, 34.5744,
52.1462

 10.1259, 20.2518,
3.3754

 45.3395, 37.1667,
60.9733

 51.2667, 40.0138,
70.6682

 57.7384, 43.1225,
81.2538

Harmonies

Analogous

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



20.3004, 23.9571, 12.0068



17.8412, 23.9571, 15.9958



16.7261, 23.9571, 23.6132

Triad

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



17.8412, 23.9571, 15.9958



21.8901, 23.9571, 50.2541



29.5825, 23.9571, 19.4066

Complementary

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



17.8412, 23.9571, 15.9958



21.4424, 17.3719, 29.0120

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.



30.1195, 23.9571, 28.7240



17.8412, 23.9571, 15.9958



25.4333, 23.9571, 48.2921

Square

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



17.8412, 23.9571, 15.9958



18.9027, 23.9571, 44.5421



28.5332, 23.9571, 39.7159



27.1330, 23.9571, 13.5949

Rectangle

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



17.8412, 23.9571, 15.9958



16.8056, 23.9571, 30.4462



28.5332, 23.9571, 39.7159



30.0022, 23.9571, 22.1619

Sweetspot

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



17.8418, 23.9581, 15.9963



42.5036, 47.9726, 45.9070



24.1525, 27.2114, 16.2914



9.2866, 10.5910, 9.9365



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.



17.8418, 23.9581, 15.9963



29.4229, 41.6893, 24.5112



19.0681, 24.4486, 22.4536



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8950



0.0830, 0.1661, 0.0277

Inverse Universe

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



21.4424, 17.3719, 29.0120



36.8738, 28.0600, 51.4455



19.9066, 16.7576, 20.9249



5.6263, 5.5110, 6.7959



14.3994, 6.9168, 23.5522



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 17.8412, 23.9571, 15.9958 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 17.8412, 23.9571, 15.9958 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 17.8412, 23.9571, 15.9958

Background



This preview shows how black text looks on a background with the XYZ color 17.8412, 23.9571, 15.9958.



This preview shows how white text looks on a background with the XYZ color 17.8412, 23.9571,

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

17.8412, 23.9571, 15.9958

Protanopia

22.1380, 23.8240, 14.4980

Deuteranopia

24.1736, 23.6264, 16.6509



Tritanopia

21.1680, 23.9822, 32.3675

Trichromacy



Original Color

17.8412, 23.9571, 15.9958

Protanomaly

20.1952, 23.6480, 15.0554

Deuteranomaly

21.3403, 23.3680, 16.4824

Tritanomaly

19.7531, 23.8415, 25.3906

Monochromacy



Original Color

17.8412, 23.9571, 15.9958

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2663, 22.2098, 20.4110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8412, 23.9571, 15.9958 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(101, 145, 101)` looks like.

```
.text, #text, p{  
    color:rgb(101, 145, 101)  
}
```

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(101, 145, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 145, 101) }
```

Border

The CSS property to change the border of an element to XYZ 17.8412, 23.9571, 15.9958 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(101, 145, 101) }
```


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

```
.border{ border-color:rgb(101, 145, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 145, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 145, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 145, 101);  
box-shadow:4px 4px 4px 4px rgb(101, 145,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8412, 23.9571, 15.9958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 145, 101) }
```

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

```
.background{ background-color: rgb(101,  
145, 101) }
```

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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