

Converting Colors

XYZ(15.1163, 20.9826, 18.9458)

Have a look what the booklet for
XYZ(15.1163, 20.9826, 18.9458)
contains.

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Color

**XYZ(15.0496, 20.9057,
18.8648)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8A71
RGB	76, 138, 113
RGB Percent	30%, 54%, 44%
CMY	0.7020, 0.4588, 0.5569
CMYK	0.45, 0.00, 0.18, 0.46
HSL	156°, 29%, 42%
HSV	156°, 45%, 54%
XYZ	15.0496, 20.9057, 18.8648
YIQ	116.6120, -28.9270, -20.9190

Conversions

Conversions Part 2

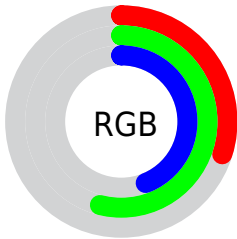
Format	Color
R_{YB}	76, 115, 138
Decimal	5016177
CIE _{Lab}	52.85, -26.25, 7.20
CIE _{LCh}	53, 27.222, 164.655
Yxy	20.9057, 0.2745, 0.3814
Android (android.graphics.Color)	4283206257 (0xFF4C8A71)
YUV	116.6120, -1.7807, -35.6167
Hunter-Lab	45.7228, -21.2617, 7.5434

Details

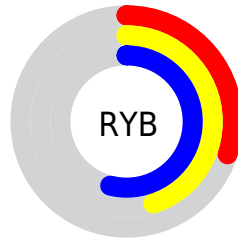
The XYZ color **15.0496, 20.9057, 18.8648** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4153, 11.5122, 13.7223**, and the grayscale version is **16.8008, 17.6757, 19.2488**.

A 20% lighter version of the original color is **34.5433, 45.0051, 42.4635**, and **4.7972, 7.5433, 6.2042** is the 20% darker color. If you saturate the color by 10%, you get **13.7650, 20.2791, 17.2194**, and if you desaturate by 10%, it is **16.5898, 21.6629, 20.6234**.

Distribution



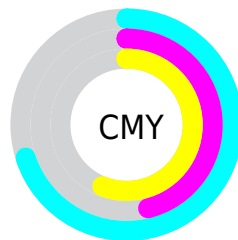
- Red (30%)
- Green (54%)
- Blue (44%)



- Red (30%)
- Yellow (45%)
- Blue (54%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (46%)



- Cyan (70%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0496, 20.9057, 18.8648 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 15.0496, 20.9057, 18.8648 by changing the saturation by 10% instead.

■ 15.0496, 20.9057,
18.8648

■ 15.0496, 20.9057,
18.8648

217.0487,
256.7769, 258.0992

■ 8.9407, 13.0551,
11.3968

■ 34.5111, 44.9305,
42.3392

■ 4.7594, 7.4665,
6.2169

■ 48.5945, 61.8736,
59.1826

■ 2.1401, 3.7555,
2.9065

■ 66.0667, 82.6162,
79.9883

■ 0.7109, 1.5378,
1.0471

■ 87.2932, 107.5428,
105.1748

■ 0.0000, 0.3151,
0.0000

■ 112.6393,
137.0377, 135.1605

■ 0.0000, 0.0000,
0.0000

142.4703,

171.4855, 170.3642

177.1517,
211.2704, 211.2042

■ 15.0496, 20.9057,
18.8648

■ 15.0496, 20.9057,
18.8648

■ 13.7650, 20.2791,
17.2194

■ 16.5898, 21.6629,
20.6234

■ 12.7187, 19.7726,
15.6831

■ 18.3981, 22.5556,
22.4962

■ 11.8940, 19.3783,
14.2540


■ 20.4880, 23.5911,
24.4859

■ 11.2711, 19.0858,
12.9291


■ 22.8719, 24.7758,
26.5947

■ 10.8232, 18.8816,
11.7053


■ 25.5612, 26.1156,
28.8248

 10.6254, 18.7923,
11.1207

 28.5666, 27.6160,
31.1784

 31.8987, 29.2823,
33.6573

 35.5671, 31.1196,
36.2636

 39.5812, 33.1325,
38.9992

Harmonies

Analogous

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



16.2694, 20.9057, 13.3409



15.0496, 20.9057, 18.8648



15.0354, 20.9057, 26.9592

Triad

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



15.0496, 20.9057, 18.8648



21.2861, 20.9057, 41.5245



24.0195, 20.9057, 13.4346

Complementary

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



15.0496, 20.9057, 18.8648



15.4153, 11.5122, 13.7223

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.



25.6441, 20.9057, 19.0260



15.0496, 20.9057, 18.8648



23.9667, 20.9057, 35.8195

Square

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



15.0496, 20.9057, 18.8648



18.4580, 20.9057, 41.4517



25.6239, 20.9057, 27.1637



21.3528, 20.9057, 10.7540

Rectangle

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



15.0496, 20.9057, 18.8648



15.7029, 20.9057, 32.8798



25.6239, 20.9057, 27.1637



24.7164, 20.9057, 14.9683

Sweetspot

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



15.0502, 20.9065, 18.8653



36.7692, 41.9079, 43.7575



15.8543, 21.5147, 10.1549



8.0729, 9.3132, 9.6556



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.



15.0502, 20.9065, 18.8653



24.2158, 35.7215, 30.2874



15.9333, 20.1018, 27.0860



5.0889, 5.6550, 5.9890



9.7489, 17.2321, 10.2343



0.0720, 0.1174, 0.1063

Inverse Universe

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



15.4153, 11.5122, 13.7223



24.9505, 16.9554, 20.0399



14.7412, 11.8352, 8.3453



5.1110, 5.0798, 5.6730



10.2633, 5.2154, 3.8909



0.0751, 0.0374, 0.0623

Previews

White Background



This preview shows how the XYZ color 15.0496, 20.9057, 18.8648 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 15.0496, 20.9057, 18.8648 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 15.0496, 20.9057, 18.8648

Background



This preview shows how black text looks on a background with the XYZ color 15.0496, 20.9057, 18.8648.



This preview shows how white text looks on a background with the XYZ color 15.0496, 20.9057,

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

15.0496, 20.9057, 18.8648

Protanopia

19.5032, 20.6343, 16.8648

Deuteranopia

21.0328, 20.6218, 19.7015



Tritanopia

17.2153, 20.9486, 29.5217

Trichromacy



Original Color

15.0496, 20.9057, 18.8648

Protanomaly

17.4250, 20.5141, 17.5092

Deuteranomaly

18.0779, 20.2216, 19.4734

Tritanomaly

16.2909, 20.7707, 25.3408

Monochromacy



Original Color

15.0496, 20.9057, 18.8648

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.9655, 18.7530, 19.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0496, 20.9057, 18.8648 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(76, 138, 113)` looks like.

```
.text, #text, p{  
    color:rgb(76, 138, 113)  
}
```

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(76, 138, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 138, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.0496, 20.9057, 18.8648 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(76, 138, 113) }
```


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

```
.border{ border-color:rgb(76, 138, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 138, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 138, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 138, 113);  
box-shadow:4px 4px 4px 4px rgb(76, 138,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0496, 20.9057, 18.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 138, 113) }
```

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

```
.background{ background-color: rgb(76, 138,  
113) }
```

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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