

Converting Colors

XYZ(16.7005, 24.6550, 15.2900)

Have a look what the booklet for
XYZ(16.7005, 24.6550, 15.2900)
contains.

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Color

**XYZ(16.6313, 24.5148,
15.1645)**

Conversions

Conversions Part 1

Format	Color
Hex	539661
RGB	83, 150, 97
RGB Percent	33%, 59%, 38%
CMY	0.6745, 0.4118, 0.6196
CMYK	0.45, 0.00, 0.35, 0.41
HSL	133°, 29%, 46%
HSV	133°, 45%, 59%
XYZ	16.6313, 24.5148, 15.1645
YIQ	123.9250, -22.9190, -30.6870

Conversions

Conversions Part 2

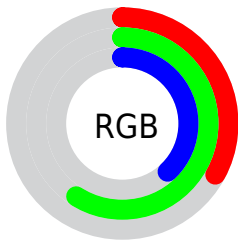
Format	Color
R_{YB}	83, 138, 150
Decimal	5477985
CIE _{Lab}	56.60, -33.27, 21.50
CIE _{LCh}	57, 39.612, 147.124
Yxy	24.5148, 0.2953, 0.4353
Android (android.graphics.Color)	4283668065 (0xFF539661)
YUV	123.9250, -13.2740, -35.8912
Hunter-Lab	49.5124, -26.6883, 16.4996

Details

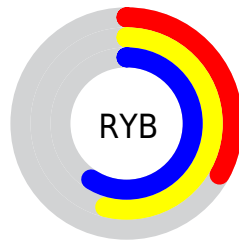
The XYZ color **16.6313, 24.5148, 15.1645** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1157, 14.4486, 25.0221**, and the grayscale version is **19.1820, 20.1810, 21.9771**.

A 20% lighter version of the original color is **37.3300, 51.0350, 35.9002**, and **5.4501, 9.2269, 4.5113** is the 20% darker color. If you saturate the color by 10%, you get **14.9359, 23.7007, 12.4101**, and if you desaturate by 10%, it is **18.6971, 25.5117, 18.3694**.

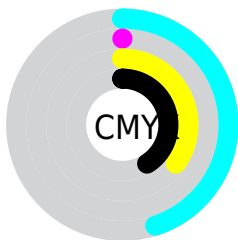
Distribution



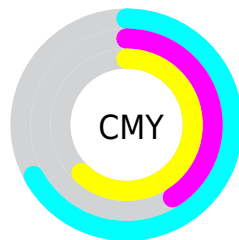
- Red (33%)
- Green (59%)
- Blue (38%)



- Red (33%)
- Yellow (54%)
- Blue (59%)



- Cyan (45%)
- Magenta (0%)
- Yellow (35%)
- Black (41%)



- Cyan (67%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6313, 24.5148, 15.1645 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 16.6313, 24.5148, 15.1645 by changing the saturation by 10% instead.

■ 16.6313, 24.5148,
15.1645

■ 16.6313, 24.5148,
15.1645

226.2365,
275.4129, 236.0347

■ 10.0656, 15.7159,
8.7870

■ 37.2394, 50.8690,
35.8879

■ 5.5051, 9.3234,
4.5076

■ 52.0126, 69.1931,
51.0709

■ 2.5843, 4.9527,
1.9077

■ 70.2523, 91.4611,
70.0261

■ 0.9380, 2.2195,
0.4977

■ 92.3239, 118.0573,
93.1721

■ 0.0000, 0.7306,
0.0000

■ 118.5928,
149.3662, 120.9274

■ 0.0000, 0.0000,
0.0000

149.4243,

185.7722, 153.7106

185.1837,
227.6596, 191.9402

■ 16.6313, 24.5148,
15.1645

■ 16.6313, 24.5148,
15.1645

■ 14.9359, 23.7007,
12.4101

■ 18.6971, 25.5117,
18.3694

■ 13.5866, 23.0552,
10.0843

■ 21.1519, 26.6984,
22.0420

■ 12.5594, 22.5670,
8.1661


■ 24.0152, 28.0854,
26.2007


■ 11.8260, 22.2222,
6.6316


■ 27.3046, 29.6814,
30.8622


■ 11.3516, 22.0031,
5.4548


■ 31.0367, 31.4946,
36.0428

 11.1587, 21.9144,
4.9620

 35.2272, 33.5327,
41.7577

 39.8912, 35.8033,
48.0217

 45.0429, 38.3133,
54.8488

 50.6958, 41.0694,
62.2528

Harmonies

Analogous

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



19.4947, 24.5148, 9.8944



16.6313, 24.5148, 15.1645



15.5335, 24.5148, 25.4412

Triad

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



16.6313, 24.5148, 15.1645



22.8595, 24.5148, 60.8435



32.0963, 24.5148, 16.7256

Complementary

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



16.6313, 24.5148, 15.1645



20.1157, 14.4486, 25.0221

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.



33.3021, 24.5148, 27.9840



16.6313, 24.5148, 15.1645



27.5721, 24.5148, 56.1953

Square

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



16.6313, 24.5148, 15.1645



18.8200, 24.5148, 54.1328



31.5499, 24.5148, 42.9462



28.4412, 24.5148, 10.5651

Rectangle

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



16.6313, 24.5148, 15.1645



15.8262, 24.5148, 34.8709



31.5499, 24.5148, 42.9462



32.8209, 24.5148, 19.9045

Sweetspot

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



16.6319, 24.5158, 15.1651



43.1524, 49.9370, 47.3427



22.7197, 27.7231, 12.3374



9.3181, 10.9479, 10.1407



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6319, 24.5158, 15.1651



26.2515, 41.7738, 21.7231



18.4969, 25.2618, 24.9859



5.7762, 6.4871, 6.4326



9.2645, 18.1786, 4.1683



0.1224, 0.2261, 0.0984

Inverse Universe

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



20.1157, 14.4486, 25.0221



33.2214, 21.5883, 41.4116



18.1249, 13.6523, 14.5386



5.9839, 5.8886, 7.0216



13.1880, 6.4803, 15.0030



0.1719, 0.0835, 0.2388

Previews

White Background



This preview shows how the XYZ color 16.6313, 24.5148, 15.1645 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 16.6313, 24.5148, 15.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

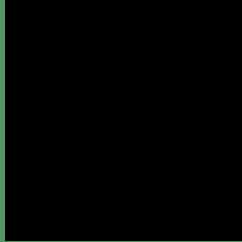
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6313, 24.5148, 15.1645

Background



This preview shows how black text looks on a background with the XYZ color 16.6313, 24.5148, 15.1645.



This preview shows how white text looks on a background with the XYZ color 16.6313, 24.5148,

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

16.6313, 24.5148, 15.1645

Protanopia

22.4064, 24.1943, 13.3865

Deuteranopia

24.5466, 24.0308, 15.9150



Tritanopia

20.4791, 24.4648, 34.2147

Trichromacy



Original Color

16.6313, 24.5148, 15.1645

Protanomaly

19.5222, 23.7574, 13.9126

Deuteranomaly

20.6060, 23.6367, 15.5329

Tritanomaly

18.8269, 24.4754, 25.9222

Monochromacy



Original Color

16.6313, 24.5148, 15.1645

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.7315, 21.2412, 19.0850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6313, 24.5148, 15.1645 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(83, 150, 97)` looks like.

```
.text, #text, p{  
    color:rgb(83, 150, 97)  
}
```

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(83, 150, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 150, 97) }
```

Border

The CSS property to change the border of an element to XYZ 16.6313, 24.5148, 15.1645 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(83, 150, 97) }
```


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

```
.border{ border-color:rgb(83, 150, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 150, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 150, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 150, 97);  
box-shadow:4px 4px 4px 4px rgb(83, 150,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6313, 24.5148, 15.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 150, 97) }
```

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

```
.background{ background-color: rgb(83, 150,  
97) }
```

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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