

Converting Colors

XYZ(16.4515, 25.0426, 18.0489)

Have a look what the booklet for
XYZ(16.4515, 25.0426, 18.0489)
contains.

XYZ(16.4819, 25.0941, 18.1623)	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(16.4819, 25.0941,
18.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	44996C
RGB	68, 153, 108
RGB Percent	27%, 60%, 42%
CMY	0.7333, 0.4000, 0.5765
CMYK	0.56, 0.00, 0.29, 0.40
HSL	148°, 38%, 43%
HSV	148°, 56%, 60%
XYZ	16.4819, 25.0941, 18.1623
YIQ	122.4550, -36.2150, -32.0150

Conversions

Conversions Part 2

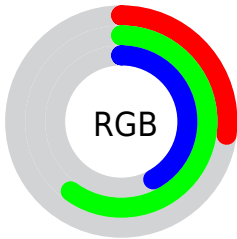
Format	Color
RYB	68, 126, 153
Decimal	4495724
CIELab	57.17, -36.55, 16.06
CIElCh	57, 39.924, 156.288
Yxy	25.0941, 0.2759, 0.4201
Android (android.graphics.Color)	4282685804 (0xFF44996C)
YUV	122.4550, -7.1263, -47.7570
Hunter-Lab	50.0940, -28.9346, 13.5694

Details

The XYZ color **16.4819, 25.0941, 18.1623** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.1854, 12.0994, 17.0007**, and the grayscale version is **18.6792, 19.6520, 21.4010**.

A 20% lighter version of the original color is **37.0694, 51.8608, 41.3141**, and **5.4693, 9.6336, 5.8462** is the 20% darker color. If you saturate the color by 10%, you get **15.1397, 24.4504, 15.9530**, and if you desaturate by 10%, it is **18.1440, 25.8995, 20.5968**.

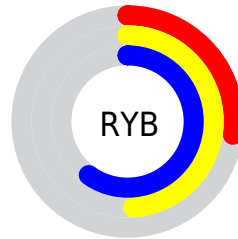
Distribution



Red (27%)

Green (60%)

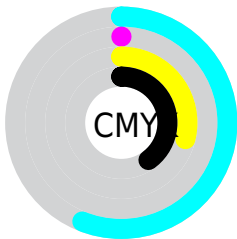
Blue (42%)



Red (27%)

Yellow (49%)

Blue (60%)

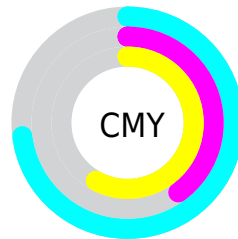


Cyan (56%)

Magenta (0%)

Yellow (29%)

Black (40%)



Cyan (73%)

Magenta (40%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4819, 25.0941, 18.1623 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 16.4819, 25.0941, 18.1623 by changing the saturation by 10% instead.

■ 16.4819, 25.0941,
18.1623

■ 16.4819, 25.0941,
18.1623

225.3837,
278.3062, 254.0510

■ 9.9588, 16.1472,
10.8959

■ 36.9835, 51.8098,
41.1314

■ 5.4337, 9.6284,
5.8836

■ 51.6928, 70.3474,
57.6711

■ 2.5413, 5.1533,
2.7068

■ 69.8615, 92.8507,
78.1391

■ 0.9161, 2.3375,
0.9468

■ 91.8549, 119.7041,
102.9538

■ 0.0000, 0.7934,
0.0000

■ 118.0385,
151.2919, 132.5338

■ 0.0000, 0.0000,
0.0000

148.7776,

187.9986, 167.2977

184.4375,
230.2086, 207.6639

■ 16.4819, 25.0941,
18.1623

■ 16.4819, 25.0941,
18.1623

■ 15.1397, 24.4504,
15.9530

■ 18.1440, 25.8995,
20.5968

■ 14.0922, 23.9534,
13.9603

■ 20.1448, 26.8740,
23.2613

■ 13.3133, 23.5905,
12.1779

■ 22.5041, 28.0285,
26.1624

■ 12.7675, 23.3435,
10.5977

■ 25.2392, 29.3718,
29.3060

■ 12.5614, 23.2512,
9.9567

■ 28.3666, 30.9122,
32.6977

■ 31.9016, 32.6575,
36.3431

■ 35.8588, 34.6152,
40.2475

■ 40.2518, 36.7922,
44.4158

■ 45.0940, 39.1952,
48.8533

Harmonies

Analogous

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



18.8819, 25.0941, 11.2934



16.4819, 25.0941, 18.1623



15.9330, 25.0941, 30.2640

Triad

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



16.4819, 25.0941, 18.1623



24.8571, 25.0941, 62.0710



31.9229, 25.0941, 14.6660

Complementary

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



16.4819, 25.0941, 18.1623



18.1854, 12.0994, 17.0007

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.



34.0353, 25.0941, 24.5794



16.4819, 25.0941, 18.1623



29.6238, 25.0941, 54.0215

Square

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



16.4819, 25.0941, 18.1623



20.3908, 25.0941, 58.6219



33.1430, 25.0941, 39.1396



27.6824, 25.0941, 9.7891

Rectangle

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



16.4819, 25.0941, 18.1623



16.6168, 25.0941, 40.4979



33.1430, 25.0941, 39.1396



32.9292, 25.0941, 17.3692

Sweetspot

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



16.4826, 25.0951, 18.1629



44.2759, 52.1456, 51.4469



19.2885, 26.7338, 9.6127



9.5756, 11.4155, 11.1323



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4826, 25.0951, 18.1629



26.5420, 43.5142, 27.5424



19.2944, 26.2198, 32.9697



6.2471, 6.9716, 7.2245



10.3980, 19.2226, 8.3163



0.1736, 0.2946, 0.2200

Inverse Universe

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



18.1854, 12.0994, 17.0007



29.9111, 17.7655, 25.2158



16.3367, 11.3599, 7.2652



6.3386, 6.2746, 7.1630



12.1019, 6.0950, 7.0617



0.1993, 0.0985, 0.2023

Previews

White Background



This preview shows how the XYZ color 16.4819, 25.0941, 18.1623 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 16.4819, 25.0941, 18.1623 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 16.4819, 25.0941, 18.1623

Background



This preview shows how black text looks on a background with the XYZ color 16.4819, 25.0941, 18.1623.

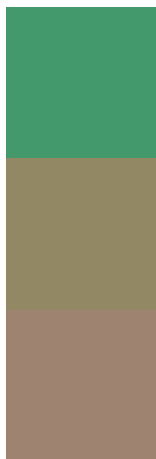


This preview shows how white text looks on a background with the XYZ color 16.4819, 25.0941,

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

16.4819, 25.0941, 18.1623

Protanopia

22.9585, 24.6394, 15.6024

Deuteranopia

25.1975, 24.6940, 19.0611



Tritanopia

20.1726, 25.1751, 36.1438

Trichromacy



Original Color

16.4819, 25.0941, 18.1623

Protanomaly

19.5924, 24.1768, 16.4659

Deuteranomaly

20.5593, 23.9729, 18.5826

Tritanomaly

18.6230, 25.0080, 28.6564

Monochromacy



Original Color

16.4819, 25.0941, 18.1623

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.0779, 20.8842, 19.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4819, 25.0941, 18.1623 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(68, 153, 108)` looks like.

```
.text, #text, p{  
    color:rgb(68, 153, 108)  
}
```

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(68, 153, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 153, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.4819, 25.0941, 18.1623 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(68, 153, 108) }
```


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

```
.border{ border-color:rgb(68, 153, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 153, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 153, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 153, 108);  
box-shadow:4px 4px 4px 4px rgb(68, 153,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4819, 25.0941, 18.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 153, 108) }
```

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

```
.background{ background-color: rgb(68, 153,  
108) }
```

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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