

Converting Colors

XYZ(16.4317, 25.7552, 15.8144)

Have a look what the booklet for
XYZ(16.4317, 25.7552, 15.8144)
contains.

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Color

**XYZ(16.5245, 25.9067,
15.9339)**

Conversions

Conversions Part 1

Format	Color
Hex	449C63
RGB	68, 156, 99
RGB Percent	27%, 61%, 39%
CMY	0.7333, 0.3882, 0.6118
CMYK	0.56, 0.00, 0.37, 0.39
HSL	141°, 39%, 44%
HSV	141°, 56%, 61%
XYZ	16.5245, 25.9067, 15.9339
YIQ	123.1900, -34.1510, -36.3830

Conversions

Conversions Part 2

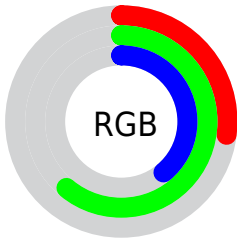
Format	Color
RYB	68, 133, 156
Decimal	4496483
CIELab	57.95, -39.68, 22.10
CIElCh	58, 45.422, 150.882
Yxy	25.9067, 0.2831, 0.4439
Android (android.graphics.Color)	4282686563 (0xFF449C63)
YUV	123.1900, -11.9257, -48.4016
Hunter-Lab	50.8986, -31.1217, 17.0682

Details

The XYZ color **16.5245, 25.9067, 15.9339** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.4800, 12.6834, 20.8246**, and the grayscale version is **18.9363, 19.9224, 21.6955**.

A 20% lighter version of the original color is **36.9677, 53.0015, 37.1361**, and **5.5701, 10.1486, 4.9141** is the 20% darker color. If you saturate the color by 10%, you get **15.1247, 25.2382, 13.5028**, and if you desaturate by 10%, it is **18.2756, 26.7508, 18.6982**.

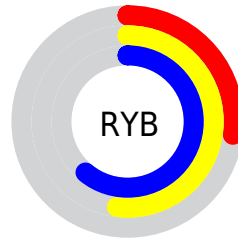
Distribution



Red (27%)

Green (61%)

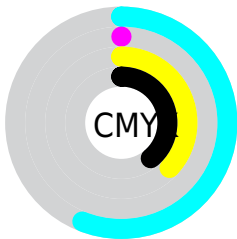
Blue (39%)



Red (27%)

Yellow (52%)

Blue (61%)

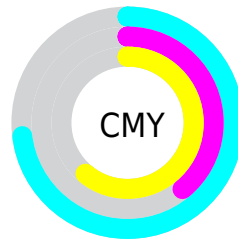


Cyan (56%)

Magenta (0%)

Yellow (37%)

Black (39%)



Cyan (73%)

Magenta (39%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5245, 25.9067, 15.9339 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 16.5245, 25.9067, 15.9339 by changing the saturation by 10% instead.

■ 16.5245, 25.9067,
15.9339

■ 16.5245, 25.9067,
15.9339

225.6272,
282.3238, 240.7837

■ 9.9893, 16.7539,
9.3235

■ 37.0565, 53.1244,
37.2486

■ 5.4540, 10.0592,
4.8531

■ 51.7840, 71.9580,
52.7900

■ 2.5535, 5.4382,
2.1041

■ 69.9730, 94.7874,
72.1456

■ 0.9223, 2.5066,
0.6182

■ 91.9888, 121.9969,
95.7338

■ 0.0000, 0.8799,
0.0000

■ 118.1967,
153.9708, 123.9731

■ 0.0000, 0.0000,
0.0000

148.9622,

191.0937, 157.2822

184.6506,
233.7499, 196.0796

■ 16.5245, 25.9067,
15.9339

■ 16.5245, 25.9067,
15.9339

■ 15.1247, 25.2382,
13.5028

■ 18.2756, 26.7508,
18.6982

■ 14.0485, 24.7290,
11.3902

■ 20.3992, 27.7789,
21.8061

■ 13.2670, 24.3653,
9.5831

■ 22.9168, 29.0027,
25.2695

■ 12.7377, 24.1255,
8.0664

■ 25.8478, 30.4320,
29.0993

■ 12.5774, 24.0533,
7.5885

■ 29.2105, 32.0759,
33.3061

■ 33.0217, 33.9430,
37.8998

■ 37.2976, 36.0412,
42.8900

■ 42.0533, 38.3784,
48.2861

■ 47.3035, 40.9618,
54.0971

Harmonies

Analogous

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



19.6060, 25.9067, 9.4388



16.5245, 25.9067, 15.9339



15.5265, 25.9067, 28.6746

Triad

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



16.5245, 25.9067, 15.9339



24.7859, 25.9067, 70.3654



34.8079, 25.9067, 15.3910

Complementary

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



16.5245, 25.9067, 15.9339



19.4800, 12.6834, 20.8246

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.



36.7201, 25.9067, 27.7465



16.5245, 25.9067, 15.9339



30.4315, 25.9067, 62.7991

Square

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



16.5245, 25.9067, 15.9339



19.8481, 25.9067, 63.5935



35.0124, 25.9067, 45.5686



30.1094, 25.9067, 9.2169

Rectangle

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



16.5245, 25.9067, 15.9339



16.0396, 25.9067, 40.3764



35.0124, 25.9067, 45.5686



35.8266, 25.9067, 18.7688

Sweetspot

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



16.5252, 25.9078, 15.9345



46.4195, 55.0145, 52.1775



21.4194, 28.5705, 9.8549



9.9906, 11.9964, 11.1932



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.5252, 25.9078, 15.9345



26.8370, 45.5374, 23.3384



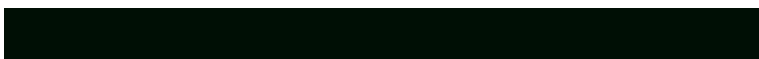
19.2159, 26.9841, 30.1039



6.6424, 7.4377, 7.5517



10.3748, 19.8178, 6.3305



0.2046, 0.3620, 0.2139

Inverse Universe

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



19.4800, 12.6834, 20.8246



32.7359, 19.0213, 33.0154



17.2709, 11.7998, 9.1917



6.8048, 6.7149, 7.8234



13.2467, 6.6032, 10.8158



0.2562, 0.1258, 0.2954

Previews

White Background



This preview shows how the XYZ color 16.5245, 25.9067, 15.9339 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 16.5245, 25.9067, 15.9339 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 16.5245, 25.9067, 15.9339

Background



This preview shows how black text looks on a background with the XYZ color 16.5245, 25.9067, 15.9339.



This preview shows how white text looks on a background with the XYZ color 16.5245, 25.9067, 15.9339.

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

16.5245, 25.9067, 15.9339

Protanopia

23.5979, 25.4337, 13.7907

Deuteranopia

25.9905, 25.5611, 16.6606



Tritanopia

20.9268, 25.9994, 37.6336

Trichromacy



Original Color

16.5245, 25.9067, 15.9339

Protanomaly

19.9367, 25.0701, 14.6147

Deuteranomaly

20.8252, 24.5983, 16.2207

Tritanomaly

19.0401, 25.9537, 28.0508

Monochromacy



Original Color

16.5245, 25.9067, 15.9339

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.2948, 21.4264, 19.1438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5245, 25.9067, 15.9339 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, 156, 99)` looks like.

```
.text, #text, p{  
    color:rgb(68, 156, 99)  
}
```

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, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 156, 99) }
```

Border

The CSS property to change the border of an element to XYZ 16.5245, 25.9067, 15.9339 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, 156, 99) }
```


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

```
.border{ border-color:rgb(68, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(68, 156,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5245, 25.9067, 15.9339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 156, 99) }
```

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

```
.background{ background-color: rgb(68, 156,  
99) }
```

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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