

Converting Colors

XYZ(24.0672, 33.5271, 16.4644)

Have a look what the booklet for
XYZ(24.0672, 33.5271, 16.4644)
contains.

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Color

**XYZ(24.0036, 33.4641,
16.5033)**

Conversions

Conversions Part 1

Format	Color
Hex	76AA61
RGB	118, 170, 97
RGB Percent	46%, 67%, 38%
CMY	0.5373, 0.3333, 0.6196
CMYK	0.31, 0.00, 0.43, 0.33
HSL	103°, 30%, 52%
HSV	103°, 43%, 67%
XYZ	24.0036, 33.4641, 16.5033
YIQ	146.1300, -7.5590, -33.7270

Conversions

Conversions Part 2

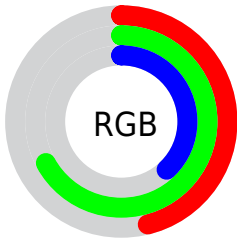
Format	Color
RYB	97, 170, 149
Decimal	7776865
CIELab	64.53, -31.09, 32.22
CIELCh	65, 44.771, 133.977
Yxy	33.4641, 0.3245, 0.4524
Android (android.graphics.Color)	4285966945 (0xFF76AA61)
YUV	146.1300, -24.2211, -24.6700
Hunter-Lab	57.8482, -27.1672, 23.5791

Details

The XYZ color **24.0036, 33.4641, 16.5033** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.9263, 17.8422, 40.2149**, and the grayscale version is **27.4741, 28.9049, 31.4775**.

A 20% lighter version of the original color is **49.6344, 65.3333, 38.4283**, and **9.1624, 14.1026, 5.1449** is the 20% darker color. If you saturate the color by 10%, you get **21.7542, 32.3875, 12.6945**, and if you desaturate by 10%, it is **26.6357, 34.7204, 21.2181**.

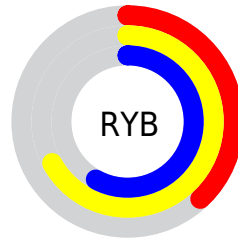
Distribution



Red (46%)

Green (67%)

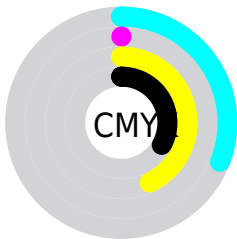
Blue (38%)



Red (38%)

Yellow (67%)

Blue (58%)

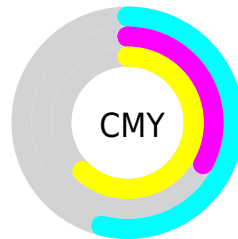


Cyan (31%)

Magenta (0%)

Yellow (43%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0036, 33.4641, 16.5033 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 24.0036, 33.4641, 16.5033 by changing the saturation by 10% instead.

■ 24.0036, 33.4641,
16.5033

■ 24.0036, 33.4641,
16.5033

265.2788,
317.7358, 244.2398

■ 15.4610, 22.4822,
9.7228

■ 49.4907, 65.0994,
38.2487

■ 9.2320, 14.2117,
5.1124

■ 67.1660, 86.5217,
54.0506

■ 4.9511, 8.2680,
2.2534

■ 88.6162, 112.1928,
73.6967

■ 2.2531, 4.2669,
0.7050

■ 114.2067,
142.4972, 97.6057

■ 0.7705, 1.8240,
0.0000

144.3028,
177.8194, 126.1959

■ 0.0000, 0.5020,
0.0000

179.2700,

■ 0.0000, 0.0000,

218.5436, 159.8860

0.0000

219.4736,
265.0543, 199.0944

■ 24.0036, 33.4641,
16.5033

■ 24.0036, 33.4641,
16.5033

■ 21.7542, 32.3875,
12.6945

■ 26.6357, 34.7204,
21.2181

■ 19.8662, 31.4778,
9.7315

■ 29.6656, 36.1600,
26.8897

■ 18.3196, 30.7272,
7.5502


■ 33.1105, 37.7917,
33.5676


■ 17.0913, 30.1253,
6.0764


■ 36.9859, 39.6224,
41.2974


■ 16.1548, 29.6605,
5.2214


■ 41.3063, 41.6588,
50.1219

 15.6372, 29.4014,
4.8509

 46.0857, 43.9072,
60.0813

 51.3374, 46.3736,
71.2140

 57.0741, 49.0637,
83.5565

 63.3081, 51.9831,
97.1438

Harmonies

Analogous

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



28.9257, 33.4641, 11.8200



24.0036, 33.4641, 16.5033



21.3837, 33.4641, 27.5484

Triad

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



24.0036, 33.4641, 16.5033



28.5292, 33.4641, 81.8964



45.3060, 33.4641, 28.5694

Complementary

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



24.0036, 33.4641, 16.5033



23.9263, 17.8422, 40.2149

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.



45.1622, 33.4641, 47.0567



24.0036, 33.4641, 16.5033



34.8727, 33.4641, 82.4564

Square

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



24.0036, 33.4641, 16.5033



23.7470, 33.4641, 66.7987



41.1403, 33.4641, 68.1403



41.5101, 33.4641, 17.0336

Rectangle

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



24.0036, 33.4641, 16.5033



21.0414, 33.4641, 38.9365



41.1403, 33.4641, 68.1403



45.7311, 33.4641, 34.0463

Sweetspot

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



24.0044, 33.4655, 16.5040



59.8777, 68.4734, 60.5184



29.3422, 30.6218, 15.6738



13.0385, 15.1210, 12.8796



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.0044, 33.4655, 16.5040



39.4683, 58.7606, 23.0308



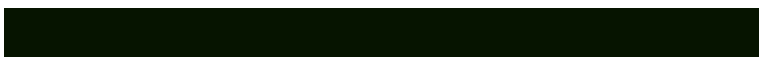
22.2079, 32.4534, 20.3070



7.6319, 8.5084, 8.0293



11.5514, 21.6522, 3.5705



0.3307, 0.5524, 0.0892

Inverse Universe

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



23.9263, 17.8422, 40.2149



39.2729, 26.4511, 72.0375



26.8036, 19.4763, 33.5349



7.6285, 7.5566, 9.4748



11.2052, 5.1599, 28.3809



0.3193, 0.1496, 0.6927

Previews

White Background



This preview shows how the XYZ color 24.0036, 33.4641, 16.5033 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.0036, 33.4641, 16.5033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

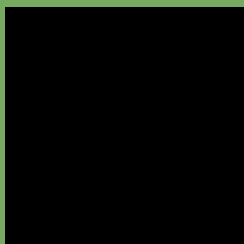
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0036, 33.4641, 16.5033

Background



This preview shows how black text looks on a background with the XYZ color 24.0036, 33.4641, 16.5033.



This preview shows how white text looks on a background with the XYZ color 24.0036, 33.4641,

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

24.0036, 33.4641, 16.5033

Protanopia

30.6148, 33.2076, 14.9213

Deuteranopia

33.6392, 33.0190, 17.1707



Tritanopia

29.7449, 33.3710, 44.9179

Trichromacy



Original Color

24.0036, 33.4641, 16.5033

Protanomaly

27.7141, 32.9733, 15.4935

Deuteranomaly

29.2575, 32.7154, 16.8293

Tritanomaly

27.0680, 33.0619, 32.1491

Monochromacy



Original Color

24.0036, 33.4641, 16.5033

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.7710, 30.2354, 24.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0036, 33.4641, 16.5033 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(118, 170, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 170, 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(118, 170, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 170, 97) }
```

Border

The CSS property to change the border of an element to XYZ 24.0036, 33.4641, 16.5033 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(118, 170, 97) }
```


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

```
.border{ border-color:rgb(118, 170, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 170, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 170, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 170, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 170,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0036, 33.4641, 16.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 170, 97) }
```

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

```
.background{ background-color: rgb(118,  
170, 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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