

Converting Colors

XYZ(16.6766, 25.3467, 11.6024)

Have a look what the booklet for
XYZ(16.6766, 25.3467, 11.6024)
contains.

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Color

**XYZ(16.6770, 25.3401,
11.6016)**

Conversions

Conversions Part 1

Format	Color
Hex	569950
RGB	86, 153, 80
RGB Percent	34%, 60%, 31%
CMY	0.6627, 0.4000, 0.6863
CMYK	0.44, 0.00, 0.48, 0.40
HSL	115°, 31%, 46%
HSV	115°, 48%, 60%
XYZ	16.6770, 25.3401, 11.6016
YIQ	124.6450, -16.4990, -36.9070

Conversions

Conversions Part 2

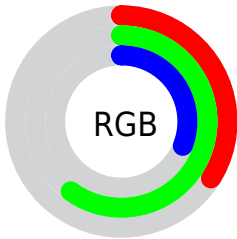
Format	Color
RYB	80, 153, 147
Decimal	5675344
CIELab	57.41, -36.48, 31.74
CIELCh	57, 48.362, 138.974
Yxy	25.3401, 0.3110, 0.4726
Android (android.graphics.Color)	4283865424 (0xFF569950)
YUV	124.6450, -22.0100, -33.8917
Hunter-Lab	50.3390, -28.9572, 21.5727

Details

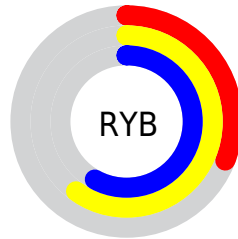
The XYZ color **16.6770, 25.3401, 11.6016** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.6522, 14.2411, 31.7986**, and the grayscale version is **19.4498, 20.4627, 22.2839**.

A 20% lighter version of the original color is **37.3001, 52.2394, 29.5900**, and **5.5101, 9.7187, 2.9520** is the 20% darker color. If you saturate the color by 10%, you get **15.0066, 24.5378, 8.9012**, and if you desaturate by 10%, it is **18.7315, 26.3270, 14.9931**.

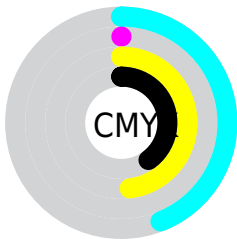
Distribution



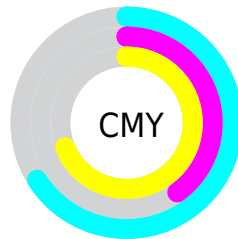
- Red (34%)
- Green (60%)
- Blue (31%)



- Red (31%)
- Yellow (60%)
- Blue (58%)



- Cyan (44%)
- Magenta (0%)
- Yellow (48%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6770, 25.3401, 11.6016 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 16.6770, 25.3401, 11.6016 by changing the saturation by 10% instead.

■ 16.6770, 25.3401,
11.6016

■ 16.6770, 25.3401,
11.6016

226.4968,
279.5275, 212.6331

■ 10.0983, 16.3306,
6.3538

■ 37.3176, 52.2084,
29.4209

■ 5.5270, 9.7584,
2.9891

■ 52.1103, 70.8361,
42.8294

■ 2.5976, 5.2391,
1.0891

■ 70.3717, 93.4386,
59.7952

■ 0.9447, 2.3882,
0.0000

■ 92.4671, 120.4003,
80.7369

■ 0.0000, 0.8198,
0.0000

■ 118.7620,
152.1056, 106.0730

■ 0.0000, 0.0000,
0.0000

149.6217,

188.9390, 136.2220

185.4115,
231.2848, 171.6026

■ 16.6770, 25.3401,
11.6016

■ 16.6770, 25.3401,
11.6016

■ 15.0066, 24.5378,
8.9012

■ 18.7315, 26.3270,
14.9931

■ 13.6946, 23.9056,
6.8428

■ 21.1899, 27.5057,
19.1168

■ 12.7151, 23.4322,
5.3737


■ 24.0730, 28.8866,
24.0128


■ 12.0380, 23.1033,
4.4321


■ 27.3996, 30.4787,
29.7176


■ 11.6210, 22.8994,
3.9081

■ 31.1874, 32.2904,
36.2655

 11.5515, 22.8658,
3.8047

 35.4529, 34.3294,
43.6888

 40.2121, 36.6035,
52.0180

 45.4801, 39.1196,
61.2824

 51.2714, 41.8848,
71.5096

Harmonies

Analogous

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



20.6696, 25.3401, 7.1868



16.6770, 25.3401, 11.6016



14.7898, 25.3401, 21.9732

Triad

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



16.6770, 25.3401, 11.6016



22.0339, 25.3401, 71.7368



36.1114, 25.3401, 18.5318

Complementary

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



16.6770, 25.3401, 11.6016



20.6522, 14.2411, 31.7986

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.



36.6329, 25.3401, 34.0931



16.6770, 25.3401, 11.6016



27.8573, 25.3401, 69.6126

Square

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



16.6770, 25.3401, 11.6016



17.5387, 25.3401, 58.9926



33.4145, 25.3401, 53.9956



32.0860, 25.3401, 9.9471

Rectangle

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



16.6770, 25.3401, 11.6016



14.7402, 25.3401, 32.8249



33.4145, 25.3401, 53.9956



36.7238, 25.3401, 22.9455

Sweetspot

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



16.6776, 25.3412, 11.6022



45.0656, 52.6665, 46.3455



25.0067, 28.1943, 11.7139



9.6985, 11.5084, 9.8017



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.



16.6776, 25.3412, 11.6022



26.7642, 43.8897, 15.7654



17.5375, 25.6240, 18.8934



6.1769, 6.9486, 6.6215



9.5597, 18.9041, 3.1450



0.1539, 0.2883, 0.0475

Inverse Universe

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



20.6522, 14.2411, 31.7986



34.7187, 21.5928, 56.3099



19.5555, 13.9300, 20.2614



6.4111, 6.2978, 7.8067



13.7636, 6.5464, 25.4459



0.2185, 0.1045, 0.3810

Previews

White Background



This preview shows how the XYZ color 16.6770, 25.3401, 11.6016 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 16.6770, 25.3401, 11.6016 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 16.6770, 25.3401, 11.6016

Background



This preview shows how black text looks on a background with the XYZ color 16.6770, 25.3401, 11.6016.



This preview shows how white text looks on a background with the XYZ color 16.6770, 25.3401,

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

16.6770, 25.3401, 11.6016

Protanopia

22.9442, 24.9650, 10.0880

Deuteranopia

25.4819, 24.9955, 12.0759



Tritanopia

21.3408, 25.1135, 35.1751

Trichromacy



Original Color

16.6770, 25.3401, 11.6016

Protanomaly

19.8794, 24.6788, 10.5532

Deuteranomaly

21.1105, 24.4081, 11.7822

Tritanomaly

19.1539, 24.9127, 24.2212

Monochromacy



Original Color

16.6770, 25.3401, 11.6016

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.9798, 21.8116, 17.7304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6770, 25.3401, 11.6016 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(86, 153, 80)` looks like.

```
.text, #text, p{  
    color:rgb(86, 153, 80)  
}
```

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(86, 153, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 153, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.6770, 25.3401, 11.6016 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(86, 153, 80) }
```


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

```
.border{ border-color:rgb(86, 153, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 153, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 153, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 153, 80);  
box-shadow:4px 4px 4px 4px rgb(86, 153,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6770, 25.3401, 11.6016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 153, 80) }
```

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

```
.background{ background-color: rgb(86, 153,  
80) }
```

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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