

Converting Colors

XYZ(10.5936, 28.7259, 9.0759)

Have a look what the booklet for
XYZ(10.5936, 28.7259, 9.0759)
contains.

XYZ(16.5116, 31.7600, 9.3977)	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(16.5116, 31.7600,
9.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	00B13B
RGB	0, 177, 59
RGB Percent	0%, 69%, 23%
CMY	1.0000, 0.3059, 0.7686
CMYK	1.00, 0.00, 0.67, 0.31
HSL	140°, 100%, 35%
HSV	140°, 100%, 69%
XYZ	16.5116, 31.7600, 9.3977
YIQ	110.6250, -67.6140, -74.2220

Conversions

Conversions Part 2

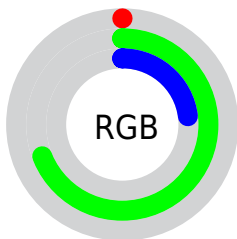
Format	Color
RYB	0, 133, 177
Decimal	45371
CIELab	63.14, -62.15, 48.07
CIElCh	63, 78.569, 142.280
Yxy	31.7600, 0.2863, 0.5507
Android (android.graphics.Color)	4278235451 (0xFF00B13B)
YUV	110.6250, -25.4511, -97.0181
Hunter-Lab	56.3560, -46.3248, 29.5622

Details

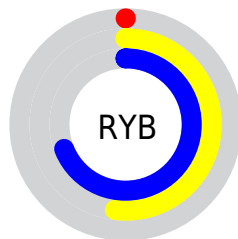
The XYZ color **16.5116, 31.7600, 9.3977** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.4029, 10.6559, 18.0714**, and the grayscale version is **15.0876, 15.8733, 17.2860**.

A 20% lighter version of the original color is **37.0114, 62.4262, 25.1377**, and **7.0830, 14.1659, 2.3610** is the 20% darker color. If you saturate the color by 10%, you get **16.5120, 31.7612, 9.3974**, and if you desaturate by 10%, it is **17.0979, 32.0237, 11.2084**.

Distribution



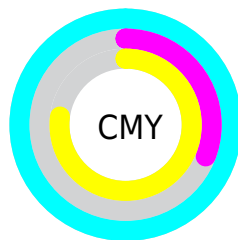
- Red (0%)
- Green (69%)
- Blue (23%)



- Red (0%)
- Yellow (52%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5116, 31.7600, 9.3977 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 16.5116, 31.7600, 9.3977 by changing the saturation by 10% instead.


 16.5116, 31.7600,
9.3977


 16.5116, 31.7600,
9.3977


225.5535,
310.0245, 196.6436


 9.9800, 21.1783,
4.9011


 37.0344, 62.4347,
25.2462


 5.4479, 13.2544,
2.1317


 51.7564, 83.2964,
37.4351


 2.5498, 7.6039,
0.6345


 69.9392, 108.3535,
53.0253

 0.9204, 3.8426,
0.0000

 91.9482, 137.9904,
72.4353

 0.0000, 1.5859,
0.0000

 118.1488,
172.5916, 96.0836

 0.0000, 0.3481,
0.0000

 148.9063,

 0.0000, 0.0000,

212.5415, 124.3887

0.0000

184.5861,
258.2243, 157.7692

■ 16.5116, 31.7600,
9.3977

■ 16.5116, 31.7600,
9.3977

■ 16.5120, 31.7612,
9.3974

■ 17.0979, 32.0237,
11.2084

■ 17.9760, 32.4284,
13.4157

■ 19.2354, 33.0208,
16.0452

■ 20.9197, 33.8228,
19.1178

■ 23.0663, 34.8534,
22.6533

■ 25.7082, 36.1292,
26.6701

■ 28.8754, 37.6653,
31.1854

■ 32.5954, 39.4755,
36.2159

■ 36.8936, 41.5727,
41.7772

Harmonies

Analogous

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



22.9496, 31.7600, 3.5265



16.5116, 31.7600, 9.3977



13.8767, 31.7600, 27.1615

Triad

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



16.5116, 31.7600, 9.3977



27.4708, 31.7600, 133.9716



53.8929, 31.7600, 16.5181

Complementary

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



16.5116, 31.7600, 9.3977



21.4029, 10.6559, 18.0714

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.



55.9315, 31.7600, 43.2423



16.5116, 31.7600, 9.3977



38.8053, 31.7600, 124.5372

Square

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



16.5116, 31.7600, 9.3977



19.1398, 31.7600, 106.6195



49.8737, 31.7600, 85.5128



44.8302, 31.7600, 5.5840

Rectangle

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



16.5116, 31.7600, 9.3977



14.0490, 31.7600, 48.9054



49.8737, 31.7600, 85.5128



55.4979, 31.7600, 23.3688

Sweetspot

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



16.5124, 31.7613, 9.3984



51.3950, 67.3003, 55.4084



23.6017, 35.5072, 5.6099



10.6122, 14.3298, 11.2682



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.5124, 31.7613, 9.3984



29.4796, 56.8444, 16.3462



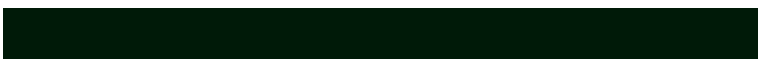
20.7994, 33.4761, 31.9735



8.5019, 9.5353, 9.6368



11.9887, 23.0214, 6.9432



0.4050, 0.7355, 0.3647

Inverse Universe

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



21.4029, 10.6559, 18.0714



38.2231, 19.0405, 31.8001



18.3992, 9.4545, 2.2546



8.7272, 8.5976, 10.0619



15.5353, 7.7317, 13.2449



0.5145, 0.2536, 0.5522

Previews

White Background



This preview shows how the XYZ color 16.5116, 31.7600, 9.3977 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 16.5116, 31.7600, 9.3977 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 16.5116, 31.7600, 9.3977

Background



This preview shows how black text looks on a background with the XYZ color 16.5116, 31.7600, 9.3977.



This preview shows how white text looks on a background with the XYZ color 16.5116, 31.7600,

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

16.5116, 31.7600, 9.3977

Protanopia

28.4256, 31.2505, 7.7826

Deuteranopia

31.8178, 31.0801, 10.1164



Tritanopia

24.4454, 31.9048, 47.5177

Trichromacy



Original Color

16.5116, 31.7600, 9.3977



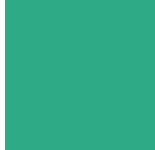
Protanomaly

19.6188, 28.9537, 8.1690



Deuteranomaly

20.6176, 28.1634, 9.5037



Tritanomaly

19.8746, 31.0796, 27.8731

Monochromacy



Original Color

16.5116, 31.7600, 9.3977



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.1943, 19.4402, 13.1821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5116, 31.7600, 9.3977 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(0, 177, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 59)  
}
```

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(0, 177, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 59) }
```

Border

The CSS property to change the border of an element to XYZ 16.5116, 31.7600, 9.3977 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(0, 177, 59) }
```


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

```
.border{ border-color:rgb(0, 177, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 177, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5116, 31.7600, 9.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 59) }
```

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

```
.background{ background-color: rgb(0, 177,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor