

Converting Colors

XYZ(15.9552, 11.0063, 68.0504)

Have a look what the booklet for
XYZ(15.9552, 11.0063, 68.0504)
contains.

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Color

**XYZ(16.0082, 11.0340,
68.3039)**

Conversions

Conversions Part 1

Format	Color
Hex	1750DB
RGB	23, 80, 219
RGB Percent	9%, 31%, 86%
CMY	0.9097, 0.6863, 0.1412
CMYK	0.89, 0.63, 0.00, 0.14
HSL	223°, 81%, 47%
HSV	223°, 89%, 86%
XYZ	16.0082, 11.0340, 68.3039
YIQ	78.8030, -78.5910, 31.1450

Conversions

Conversions Part 2

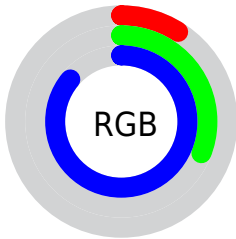
Format	Color
RYB	23, 67, 219
Decimal	1528027
CIELab	39.64, 36.31, -75.28
CIELCh	40, 83.579, 295.747
Yxy	11.0340, 0.1679, 0.1157
Android (android.graphics.Color)	4279718107 (0xFF1750DB)
YUV	78.8030, 69.1171, -48.9392
Hunter-Lab	33.2175, 27.8924, -98.6637

Details

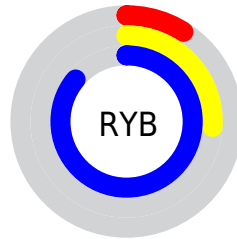
The XYZ color **16.0082, 11.0340, 68.3039** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **42.2940, 40.9732, 6.4916**, and the grayscale version is **7.2789, 7.6580, 8.3395**.

A 20% lighter version of the original color is **32.3307, 26.2355, 97.9677**, and **7.2724, 3.9675, 35.0328** is the 20% darker color. If you saturate the color by 10%, you get **14.6601, 8.8413, 67.9521**, and if you desaturate by 10%, it is **18.0057, 13.9515, 68.7621**.

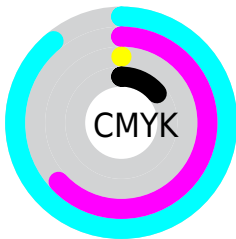
Distribution



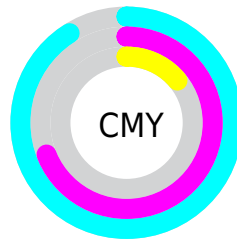
- Red (9%)
- Green (31%)
- Blue (86%)



- Red (9%)
- Yellow (26%)
- Blue (86%)



- Cyan (89%)
- Magenta (63%)
- Yellow (0%)
- Black (14%)



- Cyan (91%)
- Magenta (69%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0082, 11.0340, 68.3039 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 16.0082, 11.0340, 68.3039 by changing the saturation by 10% instead.

■ 16.0082, 11.0340,
68.3039

■ 16.0082, 11.0340,
68.3039

222.6595,
197.9007, 473.1993

■ 9.6208, 6.0897,
49.6768

■ 36.1698, 27.7230,
118.4451

■ 5.2086, 2.8997,
34.7873

■ 50.6747, 40.2365,
150.7963

■ 2.4062, 1.0796,
23.2168

■ 68.6162, 56.0419,
188.5592

■ 0.8482, 0.0000,
14.5469

■ 90.3596, 75.5236,
232.1525

■ 0.0000, 0.0000,
8.3589

■ 116.2703, 99.0659,
281.9945

■ 0.0000, 0.0000,
4.2344

146.7136,

■ 0.0000, 0.0000,

127.0532, 338.5040

1.7548

182.0549,
159.8700, 402.0994

■ 0.0000, 0.0000,
0.3979

■ 0.0000, 0.0000,
0.0000

■ 16.0082, 11.0340,
68.3039

■ 16.0082, 11.0340,
68.3039

■ 14.6601, 8.8413,
67.9521

■ 18.0057, 13.9515,
68.7621

■ 14.6008, 8.7437,
67.9363

■ 20.7809, 17.6851,
69.3365

■ 24.4178, 22.3005,
70.0356

■ 28.9880, 27.8556,
70.8670

■ 34.5549, 34.4029,
71.8374

■ 41.1764, 41.9907,
72.9530

■ 48.9055, 50.6637,
74.2197

■ 57.7917, 60.4643,
75.6430

■ 67.8814, 71.4321,
77.2282

Harmonies

Analogous

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



9.6952, 11.0340, 78.4218



16.0082, 11.0340, 68.3039



22.4123, 11.0340, 39.7739

Triad

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



16.0082, 11.0340, 68.3039



17.9489, 11.0340, 0.0000



2.9128, 11.0340, 9.8326

Complementary

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



16.0082, 11.0340, 68.3039



42.2940, 40.9732, 6.4916

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.



3.7843, 11.0340, 1.5900



16.0082, 11.0340, 68.3039



11.3218, 11.0340, 0.0000

Square

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



16.0082, 11.0340, 68.3039



23.7886, 11.0340, 2.8844



6.4090, 11.0340, 0.0000



3.3870, 11.0340, 31.4701

Rectangle

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



16.0082, 11.0340, 68.3039



25.1090, 11.0340, 21.5227



6.4090, 11.0340, 0.0000



3.0456, 11.0340, 5.8226

Sweetspot

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



16.0089, 11.0342, 68.3042



60.4473, 61.9002, 103.3698



32.0491, 53.3912, 41.9699



12.1863, 12.3979, 22.0007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.0089, 11.0342, 68.3042



20.5075, 12.1351, 95.8692



15.0938, 6.7598, 67.5274



12.6456, 13.2308, 16.5395



8.7398, 5.3490, 40.3102



0.6395, 0.4932, 2.6359

Inverse Universe

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



30.9685, 16.2532, 9.0943



42.4805, 21.7562, 8.4621



44.2639, 60.4053, 10.1385



13.2110, 13.1135, 14.3721



17.9068, 9.1637, 3.8891



1.1971, 0.6085, 0.4468

Previews

White Background



This preview shows how the XYZ color 16.0082, 11.0340, 68.3039 looks on a white 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

Black Background



This preview shows how the XYZ color 16.0082, 11.0340, 68.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

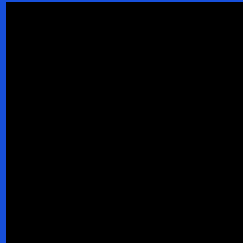
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0082, 11.0340, 68.3039

Background



This preview shows how black text looks on a background with the XYZ color 16.0082, 11.0340, 68.3039.



This preview shows how white text looks on a background with the XYZ color 16.0082, 11.0340,

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

16.0082, 11.0340, 68.3039

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.6138, 10.7931, 35.7063



Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

16.0082, 11.0340, 68.3039

Protanomaly

13.8533, 10.8773, 56.0130

Deuteranomaly

12.3035, 10.7829, 46.2326

Tritanomaly

9.6172, 10.4060, 29.9354

Monochromacy



Original Color

16.0082, 11.0340, 68.3039

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.6289, 8.1335, 22.2342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0082, 11.0340, 68.3039 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(23, 80, 219)` looks like.

```
.text, #text, p{  
    color:rgb(23, 80, 219)  
}
```

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(23, 80, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 80, 219) }
```

Border

The CSS property to change the border of an element to XYZ 16.0082, 11.0340, 68.3039 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(23, 80, 219) }
```


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

```
.border{ border-color:rgb(23, 80, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 80, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 80, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 80, 219);  
box-shadow:4px 4px 4px 4px rgb(23, 80,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0082, 11.0340, 68.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 80, 219) }
```

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

```
.background{ background-color: rgb(23, 80,  
219) }
```

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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