

Converting Colors

XYZ(11.6174, 4.8011, 60.7009)

Have a look what the booklet for
XYZ(11.6174, 4.8011, 60.7009)
contains.

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Color

**XYZ(11.6063, 4.7988,
60.6361)**

Conversions

Conversions Part 1

Format	Color
Hex	0009D1
RGB	0, 9, 209
RGB Percent	0%, 4%, 82%
CMY	0.9998, 0.9648, 0.1804
CMYK	1.00, 0.96, 0.00, 0.18
HSL	237°, 100%, 41%
HSV	237°, 100%, 82%
XYZ	11.6063, 4.7988, 60.6361
YIQ	29.1090, -69.5640, 60.2920

Conversions

Conversions Part 2

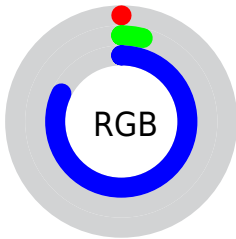
Format	Color
RYB	0, 9, 209
Decimal	2513
CIELab	26.15, 66.36, -91.87
CIELCh	26, 113.329, 305.843
Yxy	4.7988, 0.1507, 0.0623
Android (android.graphics.Color)	4278192593 (0xFF0009D1)
YUV	29.1090, 88.6863, -25.5286
Hunter-Lab	21.9062, 56.2369, -148.7800

Details

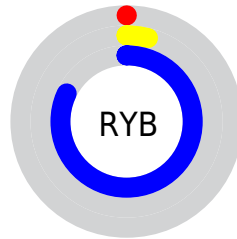
The XYZ color **11.6063, 4.7988, 60.6361** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **46.9647, 54.8952, 8.1219**, and the grayscale version is **1.1230, 1.1815, 1.2867**.

A 20% lighter version of the original color is **26.3015, 14.5424, 96.0285**, and **5.7498, 2.2999, 30.2779** is the 20% darker color. If you saturate the color by 10%, you get **11.6056, 4.7974, 60.6361**, and if you desaturate by 10%, it is **12.2559, 5.6405, 60.7645**.

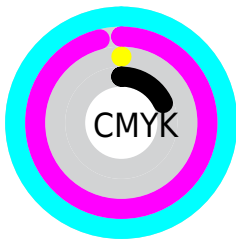
Distribution



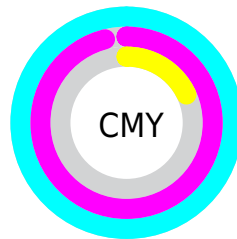
- Red (0%)
- Green (4%)
- Blue (82%)



- Red (0%)
- Yellow (4%)
- Blue (82%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (96%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6063, 4.7988, 60.6361 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 11.6063, 4.7988, 60.6361 by changing the saturation by 10% instead.

■ 11.6063, 4.7988,
60.6361

■ 11.6063, 4.7988,
60.6361

195.6048,
147.8645, 444.8080

■ 6.5465, 2.1297,
43.5029

■ 28.3991, 15.3825,
107.3042

■ 3.2239, 0.6813,
29.9456

■ 40.8628, 24.0659,
137.6763

■ 1.2733, 0.0000,
19.5456

■ 56.5252, 35.5228,
173.2984

■ 0.1631, 0.0000,
11.8844

■ 75.7517, 50.1377,
214.5890

■ 0.0000, 0.0000,
6.5434

■ 98.9075, 68.2949,
261.9667


■ 0.0000, 0.0000,
3.1042

■ 126.3580, 90.3788,


■ 0.0000, 0.0000,


315.8501


1.1481

 158.4687,
116.7739, 376.6577


 0.0000, 0.0000,
0.0000

 11.6063, 4.7988,
60.6361


 11.6063, 4.7988,
60.6361

 11.6056, 4.7974,
60.6361

 12.2559, 5.6405,
60.7645

 13.5555, 7.2888,
61.0142

 15.6708, 9.9085,
61.4084

 18.7066, 13.6183,
61.9644

 22.7518, 18.5200,
62.6973

■ 27.8850, 24.7036,
63.6203

■ 34.1769, 32.2503,
64.7454

■ 41.6922, 41.2350,
66.0835

■ 50.4910, 51.7267,
67.6449

Harmonies

Analogous

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



5.4864, 4.7988, 86.7628



11.6063, 4.7988, 60.6361



17.6209, 4.7988, 22.9686

Triad

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



11.6063, 4.7988, 60.6361



9.0212, 4.7988, 0.0000



0.0000, 4.7988, 8.1295

Complementary

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



11.6063, 4.7988, 60.6361



46.9647, 54.8952, 8.1219

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.



0.2277, 4.7988, 0.0000



11.6063, 4.7988, 60.6361



3.7462, 4.7988, 0.0000

Square

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



11.6063, 4.7988, 60.6361



15.5670, 4.7988, 0.0000



1.1666, 4.7988, 0.0000



0.5093, 4.7988, 36.5846

Rectangle

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



11.6063, 4.7988, 60.6361



19.4667, 4.7988, 7.2046



1.1666, 4.7988, 0.0000



0.0000, 4.7988, 3.6461

Sweetspot

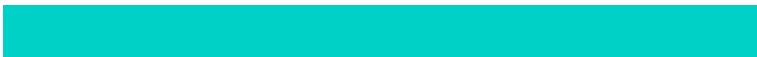
The Sweet Spot groups the original color and five complimentary colors.



11.6068, 4.7988, 60.6363



53.2060, 50.1062, 101.4749



33.0581, 49.7042, 61.6125



10.4449, 9.5942, 21.5513



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.



11.6068, 4.7988, 60.6363



18.1685, 7.4571, 95.0895



16.1332, 6.9883, 60.8203



11.2036, 11.4975, 14.8724



7.1740, 2.9945, 37.3924



0.4157, 0.1966, 2.0956

Inverse Universe

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



26.3443, 13.5761, 1.4899



41.2998, 21.2839, 2.2451



29.8674, 49.2441, 7.9323



11.8289, 11.8163, 12.3750



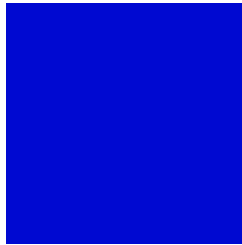
16.2518, 8.3736, 0.9663



0.9161, 0.4711, 0.0927

Previews

White Background



This preview shows how the XYZ color 11.6063, 4.7988, 60.6361 looks on a white background.

Color Contrast Check

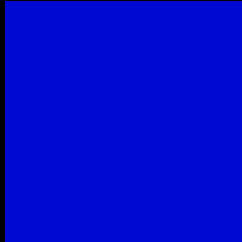
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 11.6063, 4.7988, 60.6361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

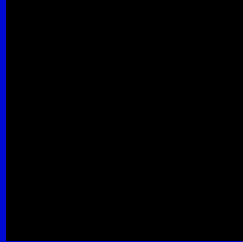
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6063, 4.7988, 60.6361

Background



This preview shows how black text looks on a background with the XYZ color 11.6063, 4.7988, 60.6361.



This preview shows how white text looks on a background with the XYZ color 11.6063, 4.7988,

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

11.6063, 4.7988, 60.6361

Protanopia

5.5650, 4.8960, 21.0738

Deuteranopia

4.7085, 5.0006, 15.1850



Tritanopia

3.4893, 5.0009, 7.2599

Trichromacy



Original Color

11.6063, 4.7988, 60.6361

Protanomaly

6.9138, 4.0903, 32.3234

Deuteranomaly

6.0492, 3.9211, 27.2261

Tritanomaly

4.6321, 3.5440, 19.1788

Monochromacy



Original Color

11.6063, 4.7988, 60.6361

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

2.5567, 1.5106, 10.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6063, 4.7988, 60.6361 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, 9, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 9, 209)  
}
```

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, 9, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 9, 209) }
```

Border

The CSS property to change the border of an element to XYZ 11.6063, 4.7988, 60.6361 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, 9, 209) }
```


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

```
.border{ border-color:rgb(0, 9, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 9, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 9, 209); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 9, 209); box-shadow:4px  
4px 4px 4px rgb(0, 9, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6063, 4.7988, 60.6361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 9, 209) }
```

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

```
.background{ background-color: rgb(0, 9,  
209) }
```

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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