

Converting Colors

XYZ(17.3539, 11.1508, 77.6188)

Have a look what the booklet for
XYZ(17.3539, 11.1508, 77.6188)
contains.

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Color

**XYZ(17.3159, 11.0806,
77.5701)**

Conversions

Conversions Part 1

Format	Color
Hex	0D4CE8
RGB	13, 76, 232
RGB Percent	5%, 30%, 91%
CMY	0.9488, 0.7020, 0.0902
CMYK	0.94, 0.67, 0.00, 0.09
HSL	223°, 89%, 48%
HSV	223°, 94%, 91%
XYZ	17.3159, 11.0806, 77.5701
YIQ	74.9470, -87.6240, 35.1600

Conversions

Conversions Part 2

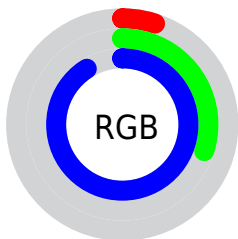
Format	Color
R _Y B	13, 62, 232
Decimal	871656
CIE Lab	39.72, 43.29, -82.56
CIE LCh	40, 93.225, 297.671
Yxy	11.0806, 0.1634, 0.1046
Android (android.graphics.Color)	4279061736 (0xFF0D4CE8)
YUV	74.9470, 77.4271, -54.3275
Hunter-Lab	33.2875, 34.6010, -114.8625

Details

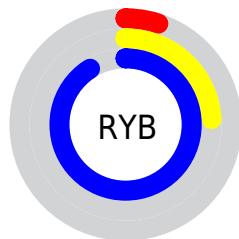
The XYZ color **17.3159, 11.0806, 77.5701** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **47.5501, 45.5816, 6.6745**, and the grayscale version is **6.5577, 6.8992, 7.5132**.

A 20% lighter version of the original color is **31.9392, 25.2667, 97.8013**, and **8.2817, 4.1829, 40.9283** is the 20% darker color. If you saturate the color by 10%, you get **16.5548, 9.8047, 77.3643**, and if you desaturate by 10%, it is **19.1750, 13.9520, 78.0267**.

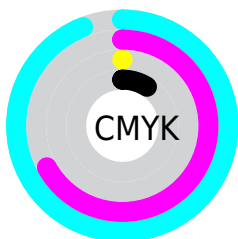
Distribution



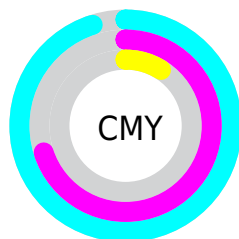
- Red (5%)
- Green (30%)
- Blue (91%)



- Red (5%)
- Yellow (24%)
- Blue (91%)



- Cyan (94%)
- Magenta (67%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (70%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3159, 11.0806, 77.5701 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 17.3159, 11.0806, 77.5701 by changing the saturation by 10% instead.

■ 17.3159, 11.0806,
77.5701

■ 17.3159, 11.0806,
77.5701

230.1072,
198.2197, 506.1948

■ 10.5567, 6.1211,
57.2065

■ 38.4074, 27.8091,
131.7243

■ 5.8347, 2.9188,
40.7606

■ 53.4704, 40.3469,
166.3520

■ 2.7845, 1.0895,
27.8138

■ 72.0321, 56.1795,
206.5715

■ 1.0409, 0.0000,
17.9475

■ 94.4577, 75.6915,
252.8013

■ 0.0000, 0.0000,
10.7433

■ 121.1127, 99.2670,
305.4600

■ 0.0000, 0.0000,
5.7825

152.3623,

■ 0.0000, 0.0000,

127.2907, 364.9661

2.6466

188.5721,
160.1468, 431.7382

■ 0.0000, 0.0000,
0.9164

■ 0.0000, 0.0000,
0.0000

■ 17.3159, 11.0806,
77.5701

■ 17.3159, 11.0806,
77.5701

■ 16.5548, 9.8047,
77.3643

■ 19.1750, 13.9520,
78.0267

■ 21.8710, 17.7197,
78.6118

■ 25.5106, 22.4662,
79.3362

■ 30.1827, 28.2628,
80.2088

■ 35.9648, 35.1733,
81.2379

■ 42.9268, 43.2559,
82.4311

■ 51.1326, 52.5647,
83.7953

■ 60.6413, 63.1499,
85.3373

■ 71.5080, 75.0590,
87.0633

Harmonies

Analogous

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



10.0411, 11.0806, 92.1934



17.3159, 11.0806, 77.5701



24.6666, 11.0806, 42.2852

Triad

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



17.3159, 11.0806, 77.5701



18.5467, 11.0806, 0.0000



2.4157, 11.0806, 10.6928

Complementary

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



17.3159, 11.0806, 77.5701



47.5501, 45.5816, 6.6745

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.



3.1958, 11.0806, 1.3427



17.3159, 11.0806, 77.5701



11.0382, 11.0806, 0.0000

Square

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



17.3159, 11.0806, 77.5701



25.5562, 11.0806, 1.9999



5.8012, 11.0806, 0.0000



2.9760, 11.0806, 36.8326

Rectangle

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



17.3159, 11.0806, 77.5701



27.6322, 11.0806, 21.2269



5.8012, 11.0806, 0.0000



2.5193, 11.0806, 6.0114

Sweetspot

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



17.3166, 11.0808, 77.5704



59.3445, 60.6070, 103.1783



35.9355, 60.5643, 46.0247



11.7720, 11.9151, 21.9293



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.



17.3166, 11.0808, 77.5704



20.4530, 12.0259, 95.8510



16.3885, 6.9806, 76.8280



13.9186, 14.5587, 18.2208



9.2839, 5.6299, 42.9805



0.7636, 0.5712, 3.2020

Inverse Universe

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



34.7279, 17.9669, 8.4747



42.4529, 21.7452, 8.3170



49.7208, 68.4609, 10.9763



14.5465, 14.4358, 15.8124



19.0796, 9.7661, 4.0482



1.4491, 0.7373, 0.5054

Previews

White Background



This preview shows how the XYZ color 17.3159, 11.0806, 77.5701 looks on a white background.

Color Contrast Check

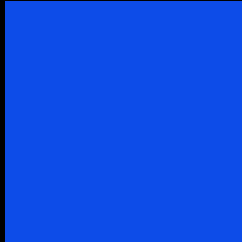
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3159, 11.0806, 77.5701 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 17.3159, 11.0806, 77.5701

Background



This preview shows how black text looks on a background with the XYZ color 17.3159, 11.0806, 77.5701.



This preview shows how white text looks on a background with the XYZ color 17.3159, 11.0806,

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

17.3159, 11.0806, 77.5701

Protanopia

12.8415, 10.9865, 49.5879

Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

17.3159, 11.0806, 77.5701

Protanomaly

14.3305, 10.9370, 59.1134

Tritanomaly

9.8097, 10.1941, 32.0225

Monochromacy



Original Color

17.3159, 11.0806, 77.5701

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.0971, 7.4282, 22.8368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3159, 11.0806, 77.5701 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(13, 76, 232)` looks like.

```
.text, #text, p{  
    color:rgb(13, 76, 232)  
}
```

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(13, 76, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 76, 232) }
```

Border

The CSS property to change the border of an element to XYZ 17.3159, 11.0806, 77.5701 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(13, 76, 232) }
```

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

```
.border{ border-color:rgb(13, 76, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 76, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 76, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 76, 232);  
box-shadow:4px 4px 4px 4px rgb(13, 76,  
232) }
```


Background

The CSS property to change the background color of an element to XYZ 17.3159, 11.0806, 77.5701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 76, 232) }
```

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

```
.background{ background-color: rgb(13, 76,  
232) }
```

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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