

Converting Colors

XYZ(11.8527, 4.7794, 60.6843)

Have a look what the booklet for
XYZ(11.8527, 4.7794, 60.6843)
contains.

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Color

**XYZ(11.8395, 4.7740,
60.6191)**

Conversions

Conversions Part 1

Format	Color
Hex	1600D1
RGB	22, 0, 209
RGB Percent	9%, 0%, 82%
CMY	0.9136, 1.0000, 0.1804
CMYK	0.89, 1.00, 0.00, 0.18
HSL	246°, 100%, 41%
HSV	246°, 100%, 82%
XYZ	11.8395, 4.7740, 60.6191
YIQ	30.4040, -53.9770, 69.6630

Conversions

Conversions Part 2

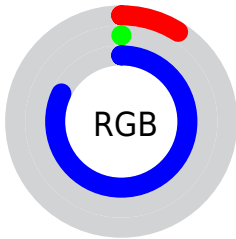
Format	Color
R_{YB}	22, 0, 209
Decimal	1442001
CIE Lab	26.08, 68.33, -91.98
CIE LCh	26, 114.579, 306.607
Yxy	4.7740, 0.1533, 0.0618
Android (android.graphics.Color)	4279632081 (0xFF1600D1)
YUV	30.4040, 88.0478, -7.3703
Hunter-Lab	21.8495, 58.4865, -149.1992

Details

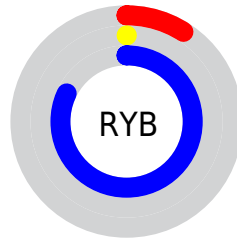
The XYZ color **11.8395, 4.7740, 60.6191** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **43.2874, 56.1625, 8.5590**, and the grayscale version is **1.2072, 1.2701, 1.3831**.

A 20% lighter version of the original color is **26.6224, 14.4453, 95.9928**, and **5.7498, 2.2999, 30.2779** is the 20% darker color. If you saturate the color by 10%, you get **11.8402, 4.7744, 60.6193**, and if you desaturate by 10%, it is **12.6785, 5.6019, 60.7349**.

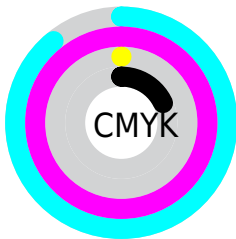
Distribution



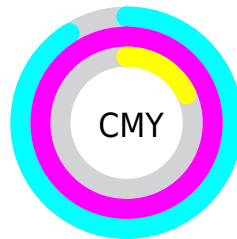
- Red (9%)
- Green (0%)
- Blue (82%)



- Red (9%)
- Yellow (0%)
- Blue (82%)



- Cyan (89%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (91%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8395, 4.7740, 60.6191 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 11.8395, 4.7740, 60.6191 by changing the saturation by 10% instead.

■ 11.8395, 4.7740,
60.6191

■ 11.8395, 4.7740,
60.6191

197.1315,
147.6204, 444.7438

■ 6.7059, 2.1153,
43.4893

■ 28.8218, 15.3285,
107.2794

■ 3.3235, 0.6732,
29.9350

■ 41.4013, 23.9932,
137.6469

■ 1.3271, 0.0000,
19.5376

■ 57.1934, 35.4285,
173.2641

■ 0.2034, 0.0000,
11.8786

■ 76.5636, 50.0190,
214.5495

■ 0.0000, 0.0000,
6.5396

■ 99.8771, 68.1491,
261.9216


■ 0.0000, 0.0000,
3.1018

■ 127.4994, 90.2031,


■ 0.0000, 0.0000,


315.7990

1.1469


 159.7957,
116.5654, 376.6003


 0.0000, 0.0000,
0.0000


 11.8395, 4.7740,
60.6191


 11.8395, 4.7740,
60.6191


 11.8402, 4.7744,
60.6193

 12.6785, 5.6019,
60.7349

 14.1583, 7.1880,
60.9631

 16.4213, 9.7501,
61.3383

 19.5583, 13.4136,
61.8801

 23.6475, 18.2849,
62.6048

■ 28.7583, 24.4580,
63.5270

■ 34.9535, 32.0174,
64.6596

■ 42.2910, 41.0405,
66.0145

■ 50.8243, 51.5990,
67.6027

Harmonies

Analogous

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



5.6006, 4.7740, 88.1059



11.8395, 4.7740, 60.6191



17.8897, 4.7740, 22.3878

Triad

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



11.8395, 4.7740, 60.6191



8.8795, 4.7740, 0.0000



0.0000, 4.7740, 8.5777

Complementary

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



11.8395, 4.7740, 60.6191



43.2874, 56.1625, 8.5590

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.



0.1772, 4.7740, 0.0000



11.8395, 4.7740, 60.6191



3.6183, 4.7740, 0.0000

Square

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



11.8395, 4.7740, 60.6191



15.5323, 4.7740, 0.0000



1.0988, 4.7740, 0.0000



0.4990, 4.7740, 38.0551

Rectangle

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



11.8395, 4.7740, 60.6191



19.6721, 4.7740, 6.7960



1.0988, 4.7740, 0.0000



0.0000, 4.7740, 3.8726

Sweetspot

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



11.8402, 4.7744, 60.6193



54.4568, 49.7699, 101.3441



29.5133, 40.6128, 66.6054



10.7288, 9.5191, 21.5218



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.



11.8402, 4.7744, 60.6193



18.4987, 7.4513, 95.0710



20.0247, 8.9936, 61.0024



11.2777, 11.4765, 14.8644



7.3405, 2.9644, 37.3778



0.4506, 0.1865, 2.0918

Inverse Universe

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



35.2613, 17.1420, 48.4486



55.2608, 26.8683, 75.7626



26.4210, 47.4675, 7.7696



12.2549, 11.9867, 14.6180



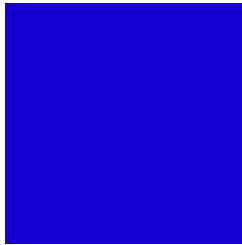
21.7628, 10.5780, 29.9867



1.2326, 0.5978, 1.7598

Previews

White Background



This preview shows how the XYZ color 11.8395, 4.7740, 60.6191 looks on a white background.

Color Contrast Check

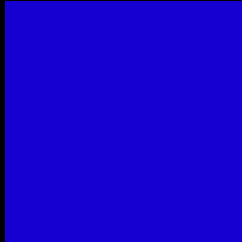
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8395, 4.7740, 60.6191 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 11.8395, 4.7740, 60.6191

Background



This preview shows how black text looks on a background with the XYZ color 11.8395, 4.7740, 60.6191.



This preview shows how white text looks on a background with the XYZ color 11.8395, 4.7740,

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

11.8395, 4.7740, 60.6191

Deuteranopia

4.7085, 5.0006, 15.1850

Tritanopia

3.4893, 5.0009, 7.2599

Trichromacy



Original Color

11.8395, 4.7740, 60.6191

Deuteranomaly

6.0389, 3.7519, 27.1940

Tritanomaly

4.6137, 3.3585, 19.1440

Monochromacy



Original Color

11.8395, 4.7740, 60.6191

Achromatopsia

1.2340, 1.2983, 1.4139

Achromatomaly

2.7504, 1.5250, 10.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8395, 4.7740, 60.6191 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(22, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(22, 0, 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(22, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 11.8395, 4.7740, 60.6191 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(22, 0, 209) }
```

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

```
.border{ border-color:rgb(22, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(22, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(22, 0, 209)  
}
```


Background

The CSS property to change the background color of an element to XYZ 11.8395, 4.7740, 60.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 0, 209) }
```

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

```
.background{ background-color: rgb(22, 0,  
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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