

Converting Colors

XYZ(15.0011, 6.5650, 71.3717)

Have a look what the booklet for
XYZ(15.0011, 6.5650, 71.3717)
contains.

XYZ(15.0777, 6.6010, 71.7136)	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(15.0777, 6.6010,
71.7136)**

Conversions

Conversions Part 1

Format	Color
Hex	3015E1
RGB	48, 21, 225
RGB Percent	19%, 8%, 88%
CMY	0.8117, 0.9177, 0.1176
CMYK	0.79, 0.91, 0.00, 0.12
HSL	248°, 83%, 48%
HSV	248°, 91%, 88%
XYZ	15.0777, 6.6010, 71.7136
YIQ	52.3290, -49.3920, 69.1680

Conversions

Conversions Part 2

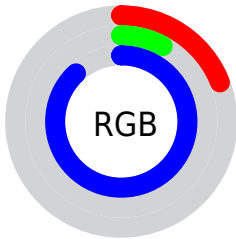
Format	Color
R_{YB}	48, 21, 225
Decimal	3151329
CIE _{Lab}	30.88, 68.59, -93.18
CIE _{LCh}	31, 115.707, 306.358
Yxy	6.6010, 0.1614, 0.0707
Android (android.graphics.Color)	4281341409 (0xFF3015E1)
YUV	52.3290, 85.1268, -3.7965
Hunter-Lab	25.6924, 59.7918, -147.5077

Details

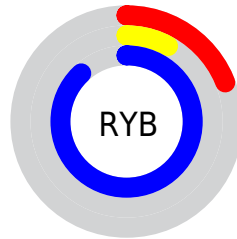
The XYZ color **15.0777, 6.6010, 71.7136** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **50.3434, 65.9075, 10.7771**, and the grayscale version is **3.2096, 3.3768, 3.6773**.

A 20% lighter version of the original color is **29.3786, 17.1044, 96.3608**, and **7.0679, 2.8272, 37.2190** is the 20% darker color. If you saturate the color by 10%, you get **14.1203, 5.7093, 71.5922**, and if you desaturate by 10%, it is **16.8241, 8.4123, 71.9714**.

Distribution



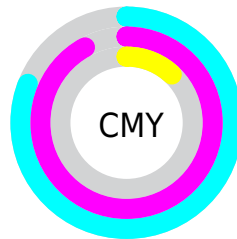
- Red (19%)
- Green (8%)
- Blue (88%)



- Red (19%)
- Yellow (8%)
- Blue (88%)



- Cyan (79%)
- Magenta (91%)
- Yellow (0%)
- Black (12%)



- Cyan (81%)
- Magenta (92%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0777, 6.6010, 71.7136 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 15.0777, 6.6010, 71.7136 by changing the saturation by 10% instead.

■ 15.0777, 6.6010,
71.7136

■ 15.0777, 6.6010,
71.7136

217.2151,
164.3059, 485.4948

■ 8.9606, 3.2138,
52.4393

■ 34.5600, 19.1659,
123.3532

■ 4.7724, 1.2444,
36.9707

■ 48.6559, 29.1125,
156.5556

■ 2.1477, 0.0975,
24.8892

■ 66.1420, 42.0143,
195.2378

■ 0.7150, 0.0000,
15.7763

■ 87.3839, 58.2557,
239.8184

■ 0.0000, 0.0000,
9.2133

■ 112.7468, 78.2212,
290.7158


■ 0.0000, 0.0000,
4.7819


■ 142.5960,

■ 0.0000, 0.0000,

102.2951, 348.3487

2.0634


 177.2970,
130.8619, 413.1355

 0.0000, 0.0000,
0.5938


 0.0000, 0.0000,
0.0000


 15.0777, 6.6010,
71.7136


 15.0777, 6.6010,
71.7136

 14.1203, 5.7093,
71.5922

 16.8241, 8.4123,
71.9714

 19.4739, 11.3606,
72.4008

 23.1332, 15.5962,
73.0255

 27.8922, 21.2461,
73.8653

■ 33.8311, 28.4220,
74.9373

■ 41.0225, 37.2241,
76.2573

■ 49.5330, 47.7444,
77.8393

■ 59.4246, 60.0676,
79.6966

■ 70.7551, 74.2732,
81.8414

Harmonies

Analogous

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



7.5449, 6.6010, 102.2049



15.0777, 6.6010, 71.7136



22.2315, 6.6010, 28.0308

Triad

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



15.0777, 6.6010, 71.7136



11.6645, 6.6010, 0.0000



0.4421, 6.6010, 11.1761

Complementary

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



15.0777, 6.6010, 71.7136



50.3434, 65.9075, 10.7771

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.



0.6618, 6.6010, 0.4783



15.0777, 6.6010, 71.7136



5.1546, 6.6010, 0.0000

Square

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



15.0777, 6.6010, 71.7136



19.5712, 6.6010, 0.0000



1.8082, 6.6010, 0.0000



0.9817, 6.6010, 45.4077

Rectangle

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



15.0777, 6.6010, 71.7136



24.3472, 6.6010, 9.3317



1.8082, 6.6010, 0.0000



0.4304, 6.6010, 5.3996

Sweetspot

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



15.0783, 6.6010, 71.7138



58.2160, 54.0391, 101.9700



34.8329, 47.4619, 78.5596



11.6715, 10.5940, 21.6796



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.



15.0783, 6.6010, 71.7138



18.7024, 7.5563, 95.0805



25.8549, 12.1566, 72.2182



13.1200, 13.3299, 17.2691



8.1919, 3.3184, 41.2571



0.6232, 0.2585, 2.8623

Inverse Universe

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



41.5100, 20.6198, 55.2049



54.3209, 26.4924, 70.8131



32.2275, 56.5684, 9.9293



14.2128, 13.9028, 16.8908



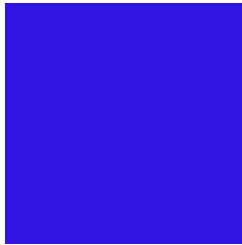
23.6136, 11.5124, 30.9606



1.6588, 0.8068, 2.2618

Previews

White Background



This preview shows how the XYZ color 15.0777, 6.6010, 71.7136 looks on a white background.

Color Contrast Check

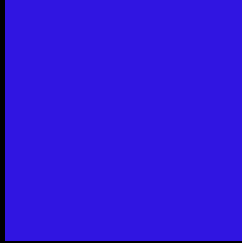
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0777, 6.6010, 71.7136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

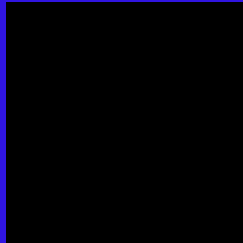
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0777, 6.6010, 71.7136

Background



This preview shows how black text looks on a background with the XYZ color 15.0777, 6.6010, 71.7136.



This preview shows how white text looks on a background with the XYZ color 15.0777, 6.6010,

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

15.0777, 6.6010, 71.7136

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2177, 6.5128, 20.3314



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

15.0777, 6.6010, 71.7136

Protanomaly

9.1970, 5.6703, 41.1672

Deuteranomaly

8.0304, 5.4248, 34.3420

Tritanomaly

6.2391, 5.0247, 23.9336

Monochromacy



Original Color

15.0777, 6.6010, 71.7136

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2527, 3.5275, 16.6237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0777, 6.6010, 71.7136 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(48, 21, 225)` looks like.

```
.text, #text, p{  
    color:rgb(48, 21, 225)  
}
```

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(48, 21, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 21, 225) }
```

Border

The CSS property to change the border of an element to XYZ 15.0777, 6.6010, 71.7136 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(48, 21, 225) }
```


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

```
.border{ border-color:rgb(48, 21, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 21, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 21, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 21, 225);  
box-shadow:4px 4px 4px 4px rgb(48, 21,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0777, 6.6010, 71.7136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 21, 225) }
```

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

```
.background{ background-color: rgb(48, 21,  
225) }
```

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