

Converting Colors

XYZ(15.8736, 6.7401, 65.9396)

Have a look what the booklet for
XYZ(15.8736, 6.7401, 65.9396)
contains.

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Color

**XYZ(15.9177, 6.7591,
66.1113)**

Conversions

Conversions Part 1

Format	Color
Hex	5100D9
RGB	81, 0, 217
RGB Percent	32%, 0%, 85%
CMY	0.6823, 1.0000, 0.1490
CMYK	0.63, 1.00, 0.00, 0.15
HSL	262°, 100%, 43%
HSV	262°, 100%, 85%
XYZ	15.9177, 6.7591, 66.1113
YIQ	48.9570, -21.3810, 84.6590

Conversions

Conversions Part 2

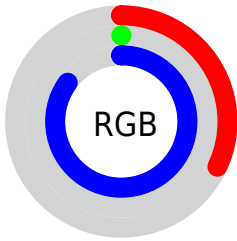
Format	Color
RYB	81, 0, 217
Decimal	5308633
CIELab	31.25, 71.93, -87.89
CIELCh	31, 113.570, 309.298
Yxy	6.7591, 0.1793, 0.0761
Android (android.graphics.Color)	4283498713 (0xFF5100D9)
YUV	48.9570, 82.8452, 28.1017
Hunter-Lab	25.9983, 63.7914, -132.5704

Details

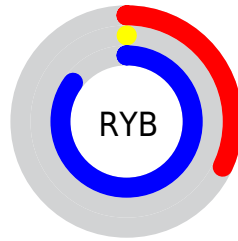
The XYZ color **15.9177, 6.7591, 66.1113** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **34.9652, 54.8596, 8.7461**, and the grayscale version is **2.8281, 2.9754, 3.2402**.

A 20% lighter version of the original color is **32.4000, 18.0578, 96.3856**, and **6.3452, 2.5381, 33.4132** is the 20% darker color. If you saturate the color by 10%, you get **15.9184, 6.7594, 66.1116**, and if you desaturate by 10%, it is **17.4842, 7.9841, 66.2654**.

Distribution



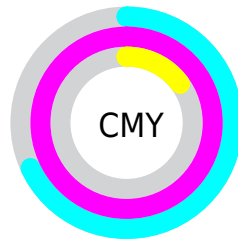
- Red (32%)
- Green (0%)
- Blue (85%)



- Red (32%)
- Yellow (0%)
- Blue (85%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)




- Cyan (68%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9177, 6.7591, 66.1113 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 15.9177, 6.7591, 66.1113 by changing the saturation by 10% instead.


 15.9177, 6.7591,
66.1113

 15.9177, 6.7591,
66.1113


222.1355,
165.6467, 465.1899


 9.5564, 3.3119,
47.9057


 36.0139, 19.4869,
115.2746


 5.1658, 1.2967,
33.3928


 50.4795, 29.5363,
147.0694

 2.3807, 0.1386,
22.1539


 68.3772, 42.5553,
184.2309

 0.8355, 0.0000,
13.7706

 90.0724, 58.9281,
227.1779

 0.0000, 0.0000,
7.8244

 115.9305, 79.0393,
276.3287


 0.0000, 0.0000,
3.8966


 146.3169,

 0.0000, 0.0000,


103.2732, 332.1020

1.5688


 181.5967,
132.0142, 394.9162

 0.0000, 0.0000,
0.2684


 0.0000, 0.0000,
0.0000


 15.9177, 6.7591,
66.1113


 15.9177, 6.7591,
66.1113

 15.9184, 6.7594,
66.1116

 17.4842, 7.9841,
66.2654

 19.6123, 9.9678,
66.5362

 22.4189, 12.9252,
66.9591

 25.9733, 16.9783,
67.5541

■ 30.3350, 22.2306,
68.3380

■ 35.5568, 28.7730,
69.3256

■ 41.6868, 36.6876,
70.5301

■ 48.7691, 46.0493,
71.9638

■ 56.8448, 56.9276,
73.6379

Harmonies

Analogous

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



8.3218, 6.7591, 98.6800



15.9177, 6.7591, 66.1113



22.6326, 6.7591, 24.4822

Triad

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



15.9177, 6.7591, 66.1113



11.0214, 6.7591, 0.0000



0.5524, 6.7591, 13.5365

Complementary

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



15.9177, 6.7591, 66.1113



34.9652, 54.8596, 8.7461

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.



0.6950, 6.7591, 0.9603



15.9177, 6.7591, 66.1113



4.8397, 6.7591, 0.0000

Square

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



15.9177, 6.7591, 66.1113



18.8457, 6.7591, 0.0000



1.7386, 6.7591, 0.0000



1.1803, 6.7591, 49.1293

Rectangle

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



15.9177, 6.7591, 66.1113



24.2755, 6.7591, 7.7430



1.7386, 6.7591, 0.0000



0.5162, 6.7591, 6.9889

Sweetspot

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



15.9184, 6.7594, 66.1116



59.8183, 52.5338, 101.5950



21.5318, 23.0246, 68.9552



11.9673, 10.1575, 21.5798



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.



15.9184, 6.7594, 66.1116



22.7893, 9.6632, 95.2718



33.2800, 15.7096, 66.9241



12.7956, 12.8528, 16.4586



9.7438, 4.1473, 40.0254



0.7248, 0.3169, 2.5974

Inverse Universe

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



33.0588, 16.5291, 24.7381



47.5683, 23.7913, 35.2546



25.3177, 49.8861, 8.2946



13.3975, 13.1881, 15.3546



20.0647, 10.0269, 15.2527



1.3411, 0.6661, 1.2051

Previews

White Background



This preview shows how the XYZ color 15.9177, 6.7591, 66.1113 looks on a white background.

Color Contrast Check

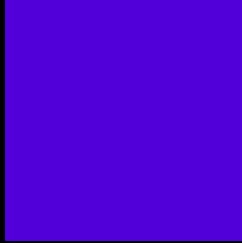
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9177, 6.7591, 66.1113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

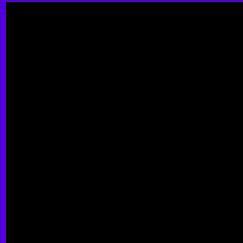
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9177, 6.7591, 66.1113

Background



This preview shows how black text looks on a background with the XYZ color 15.9177, 6.7591, 66.1113.



This preview shows how white text looks on a background with the XYZ color 15.9177, 6.7591,

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

15.9177, 6.7591, 66.1113

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

5.0158, 7.0788, 10.7749

Trichromacy



Original Color

15.9177, 6.7591, 66.1113

Protanomaly

9.3202, 5.3498, 41.6157

Deuteranomaly

8.1689, 5.1510, 34.7461

Tritanomaly

6.2237, 4.5850, 23.8495

Monochromacy



Original Color

15.9177, 6.7591, 66.1113

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.2289, 3.0979, 15.0742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9177, 6.7591, 66.1113 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(81, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 217)  
}
```

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(81, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 15.9177, 6.7591, 66.1113 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(81, 0, 217) }
```


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

```
.border{ border-color:rgb(81, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(81, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 217)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9177, 6.7591, 66.1113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 217) }
```

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

```
.background{ background-color: rgb(81, 0,  
217) }
```

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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