

Converting Colors

$Y_{xy}(5.6843, 0.1523, 0.0644)$

Have a look what the booklet for
Yxy(5.6843, 0.1523, 0.0644)
contains.

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Color

$Y_{xy}(5.6692, 0.1524, 0.0645)$

Conversions

Conversions Part 1

Format	Color
Hex	0C10DD
RGB	12, 16, 221
RGB Percent	5%, 6%, 87%
CMY	0.9521, 0.9378, 0.1331
CMYK	0.94, 0.93, 0.00, 0.13
HSL	239°, 90%, 46%
HSV	239°, 94%, 87%
XYZ	13.3951, 5.6692, 68.8302
YIQ	38.1740, -68.1890, 62.9070

Conversions

Conversions Part 2

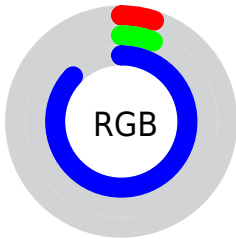
Format	Color
R _Y B	12, 16, 221
Decimal	790749
CIE Lab	28.56, 68.12, -94.82
CIE LCh	29, 116.750, 305.696
Yxy	5.6692, 0.1524, 0.0645
Android (android.graphics.Color)	4278980829 (0xFF0C10DD)
YUV	38.1740, 90.1332, -22.9546
Hunter-Lab	23.8101, 58.7533, -154.7286

Details

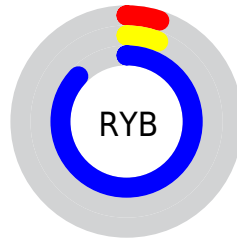
The Yxy color **5.6692, 0.1524, 0.0645** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **65.2422, 0.4213, 0.5014**, and the grayscale version is **1.8792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **15.4958, 0.1961, 0.1116**, and **2.6803, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **5.3069, 0.1503, 0.0609**, and if you desaturate by 10%, it is **6.9278, 0.1595, 0.0767**.

Distribution



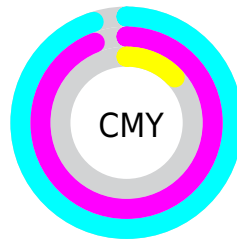
- Red (5%)
- Green (6%)
- Blue (87%)



- Red (5%)
- Yellow (6%)
- Blue (87%)



- Cyan (94%)
- Magenta (93%)
- Yellow (0%)
- Black (13%)





- Cyan (95%)
- Magenta (94%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 5.6692, 0.1524, 0.0645 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 Yxy color 5.6692, 0.1524, 0.0645 by changing the saturation by 10% instead.


 5.6692, 0.1524,
0.0645


 5.6692, 0.1524,
0.0645


156.0968, 0.2470,
0.1862


 2.6450, 0.1285,
0.0437


 17.2408, 0.1881,
0.1026


 0.9493, 0.0999,
0.0237

 26.5570, 0.2013,
0.1190


 0.0000, 0.0677,
0.0000

 38.7394, 0.2124,
0.1336

 0.0000, 0.0302,
0.0000

 54.1722, 0.2216,
0.1467


 0.0000, 0.0000,
0.0000


 73.2400, 0.2295,
0.1583


 96.3271, 0.2362,


0.1686


 123.8179, 0.2419,
0.1779


 5.6692, 0.1524,
0.0645


 5.6692, 0.1524,
0.0645

 5.3069, 0.1503,
0.0609

 6.9278, 0.1595,
0.0767

 9.2343, 0.1717,
0.0973

 12.7520, 0.1884,
0.1252

 17.6160, 0.2082,
0.1581

 23.9435, 0.2295,
0.1932

■ 31.8390, 0.2508,
0.2281

■ 41.3975, 0.2710,
0.2611

■ 52.7065, 0.2895,
0.2913

■ 65.8472, 0.3060,
0.3181

Harmonies

Analogous

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



5.6692, 0.0584, 0.0516



5.6692, 0.1524, 0.0645



5.6692, 0.3859, 0.1082

Triad

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



5.6692, 0.1524, 0.0645



5.6692, 0.6500, 0.3500



5.6692, 0.0111, 0.3718

Complementary

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



5.6692, 0.1524, 0.0645



65.2422, 0.4213, 0.5014

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.



5.6692, 0.0662, 0.9203



5.6692, 0.1524, 0.0645



5.6692, 0.4409, 0.5591

Square

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



5.6692, 0.1524, 0.0645



5.6692, 0.7600, 0.2400



5.6692, 0.2035, 0.7965



5.6692, 0.0144, 0.1186

Rectangle

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



5.6692, 0.1524, 0.0645



5.6692, 0.6112, 0.1552



5.6692, 0.2035, 0.7965



5.6692, 0.0161, 0.5599

Sweetspot

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



5.6692, 0.1524, 0.0645



51.9947, 0.2636, 0.2490



56.6791, 0.2280, 0.3385



9.9194, 0.2548, 0.2346



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



5.6692, 0.1524, 0.0645



7.3166, 0.1502, 0.0607



8.7851, 0.2009, 0.0901



12.6534, 0.2981, 0.3052



3.0983, 0.1503, 0.0612



0.2139, 0.1513, 0.0647

Inverse Universe

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



15.6852, 0.6306, 0.3290



21.2698, 0.6388, 0.3293



56.0216, 0.3434, 0.5626



13.0552, 0.3289, 0.3286



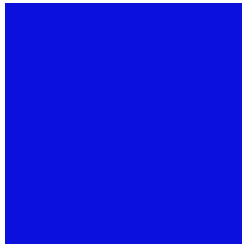
8.9365, 0.6381, 0.3289



0.5803, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 5.6692, 0.1524, 0.0645 looks on a white background.

Color Contrast Check

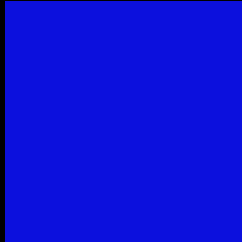
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 5.6692, 0.1524, 0.0645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

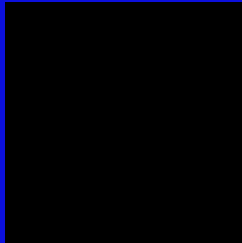
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 5.6692, 0.1524, 0.0645

Background



This preview shows how black text looks on a background with the Yxy color 5.6692, 0.1524, 0.0645.



This preview shows how white text looks on a background with the Yxy color 5.6692, 0.1524, 0.0645.

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

5.6692, 0.1524, 0.0645

Protanopia

5.7026, 0.1766, 0.1558

Deuteranopia

5.6413, 0.1887, 0.1992



Tritanopia

5.5967, 0.2207, 0.3145

Trichromacy



Original Color

5.6692, 0.1524, 0.0645

Protanomaly

4.9669, 0.1612, 0.0979

Deuteranomaly

4.6401, 0.1642, 0.1085

Tritanomaly

4.2107, 0.1714, 0.1331

Monochromacy



Original Color

5.6692, 0.1524, 0.0645

Achromatopsia

1.9382, 0.3127, 0.3290

Achromatomaly

2.2097, 0.1821, 0.1143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 5.6692, 0.1524, 0.0645 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(12, 16, 221)` looks like.

```
.text, #text, p{  
    color:rgb(12, 16, 221)  
}
```

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(12, 16, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 16, 221) }
```

Border

The CSS property to change the border of an element to Yxy 5.6692, 0.1524, 0.0645 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(12, 16, 221) }
```

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

```
.border{ border-color:rgb(12, 16, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 16, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 16, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 16, 221);  
box-shadow:4px 4px 4px 4px rgb(12, 16,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 5.6692, 0.1524, 0.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 16, 221) }
```

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

```
.background{ background-color: rgb(12, 16,  
221) }
```

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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