

Converting Colors

$Y_{xy}(11.7206, 0.1657, 0.1165)$

Have a look what the booklet for
Yxy(11.7206, 0.1657, 0.1165)
contains.

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Color

Yxy(11.7225, 0.1658, 0.1169)

Conversions

Conversions Part 1

Format	Color
Hex	0054E0
RGB	0, 84, 224
RGB Percent	0%, 33%, 88%
CMY	1.0000, 0.6706, 0.1214
CMYK	1.00, 0.63, 0.00, 0.12
HSL	218°, 100%, 44%
HSV	218°, 100%, 88%
XYZ	16.6261, 11.7225, 71.9294
YIQ	74.8440, -95.0040, 25.7320

Conversions

Conversions Part 2

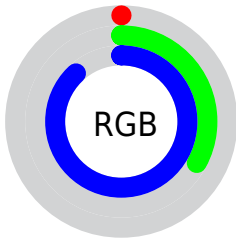
Format	Color
RYB	0, 61, 224
Decimal	21728
CIELab	40.77, 34.93, -76.30
CIELCh	41, 83.917, 294.595
Yxy	11.7225, 0.1658, 0.1169
Android (android.graphics.Color)	4278211808 (0xFF0054E0)
YUV	74.8440, 73.5339, -65.6382
Hunter-Lab	34.2381, 26.7632, -100.5931

Details

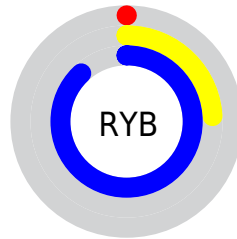
The Yxy color **11.7225, 0.1658, 0.1169** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **34.6183, 0.5060, 0.4364**, and the grayscale version is **6.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0592, 0.2055, 0.1717**, and **4.3759, 0.1581, 0.0891** is the 20% darker color. If you saturate the color by 10%, you get **11.7239, 0.1658, 0.1169**, and if you desaturate by 10%, it is **14.2943, 0.1733, 0.1364**.

Distribution



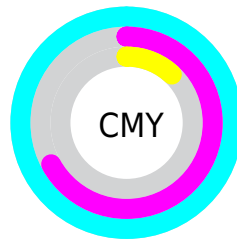
- Red (0%)
- Green (33%)
- Blue (88%)



- Red (0%)
- Yellow (24%)
- Blue (88%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (67%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7225, 0.1658, 0.1169 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 11.7225, 0.1658, 0.1169 by changing the saturation by 10% instead.


 11.7225, 0.1658,
0.1169


 11.7225, 0.1658,
0.1169


202.5594, 0.2472,
0.2214


 6.5550, 0.1453,
0.0947


 28.9887, 0.1961,
0.1527


 3.1854, 0.1202,
0.0696

 41.8562, 0.2074,
0.1669


 1.2293, 0.0897,
0.0427

 58.0591, 0.2168,
0.1792

 0.0854, 0.0555,
0.0051

 77.9819, 0.2248,
0.1899

 0.0000, 0.0000,
0.0000

 102.0089, 0.2317,
0.1993

130.5246, 0.2376,

0.2075

163.9133, 0.2427,
0.2149

■ 11.7225, 0.1658,
0.1169

■ 11.7225, 0.1658,
0.1169

■ 11.7239, 0.1658,
0.1169

■ 14.2943, 0.1733,
0.1364

■ 17.5264, 0.1836,
0.1583

■ 21.5080, 0.1967,
0.1819

■ 26.2973, 0.2119,
0.2062

■ 31.9454, 0.2286,
0.2303

■ 38.4983, 0.2460,
0.2535

■ 45.9984, 0.2636,
0.2752

■ 54.4851, 0.2808,
0.2951

■ 63.9954, 0.2972,
0.3130

Harmonies

Analogous

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



11.7225, 0.0979, 0.1137



11.7225, 0.1658, 0.1169



11.7225, 0.2998, 0.1506

Triad

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



11.7225, 0.1658, 0.1169



11.7225, 0.6181, 0.3776



11.7225, 0.1282, 0.4723

Complementary

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



11.7225, 0.1658, 0.1169



34.6183, 0.5060, 0.4364

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.



11.7225, 0.2379, 0.6692



11.7225, 0.1658, 0.1169



11.7225, 0.5111, 0.4889

Square

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



11.7225, 0.1658, 0.1169



11.7225, 0.6246, 0.2911



11.7225, 0.3745, 0.6255



11.7225, 0.0769, 0.2482

Rectangle

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



11.7225, 0.1658, 0.1169



11.7225, 0.4262, 0.1903



11.7225, 0.3745, 0.6255



11.7225, 0.1596, 0.5597

Sweetspot

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



11.7239, 0.1658, 0.1169



61.4585, 0.2632, 0.2747



55.1676, 0.2615, 0.4615



12.2090, 0.2558, 0.2657



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.



11.7239, 0.1658, 0.1169



15.5146, 0.1655, 0.1157



5.6049, 0.1537, 0.0620



14.0811, 0.2981, 0.3139



7.0256, 0.1666, 0.1197



0.6551, 0.1752, 0.1507

Inverse Universe

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



16.4924, 0.5510, 0.2809



22.0973, 0.5528, 0.2819



65.3197, 0.3987, 0.5216



13.7851, 0.3233, 0.3202



9.6173, 0.5471, 0.2787



0.6836, 0.5051, 0.2556

Previews

White Background



This preview shows how the Yxy color 11.7225, 0.1658, 0.1169 looks on a white background.

Color Contrast Check

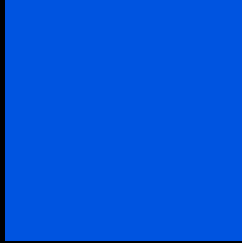
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.7225, 0.1658, 0.1169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

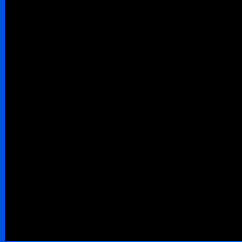
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7225, 0.1658, 0.1169

Background



This preview shows how black text looks on a background with the Yxy color 11.7225, 0.1658, 0.1169.



This preview shows how white text looks on a background with the Yxy color 11.7225, 0.1658, 0.1169.

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

11.7225, 0.1658, 0.1169

Protanopia

11.5944, 0.1744, 0.1479

Deuteranopia

11.5254, 0.1858, 0.1888



Tritanopia

11.4779, 0.2203, 0.3130

Trichromacy



Original Color

11.7225, 0.1658, 0.1169

Protanomaly

11.6010, 0.1707, 0.1346

Deuteranomaly

11.4595, 0.1766, 0.1558

Tritanomaly

11.0353, 0.1913, 0.2087

Monochromacy



Original Color

11.7225, 0.1658, 0.1169

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.6621, 0.2114, 0.2049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7225, 0.1658, 0.1169 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(0, 84, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 84, 224)  
}
```

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(0, 84, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 84, 224) }
```

Border

The CSS property to change the border of an element to Yxy 11.7225, 0.1658, 0.1169 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(0, 84, 224) }
```

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

```
.border{ border-color:rgb(0, 84, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 84, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 84, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 84, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 84, 224)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7225, 0.1658, 0.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 84, 224) }
```

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

```
.background{ background-color: rgb(0, 84,  
224) }
```

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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