

Converting Colors

$Yxy(10.6212, 0.1769, 0.1567)$

Have a look what the booklet for
Yxy(10.6212, 0.1769, 0.1567)
contains.

Yxy(10.6485, 0.1770, 0.1571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(10.6485, 0.1770, 0.1571)$

Conversions

Conversions Part 1

Format	Color
Hex	005AB5
RGB	0, 90, 181
RGB Percent	0%, 35%, 71%
CMY	0.9993, 0.6471, 0.2902
CMYK	1.00, 0.50, 0.00, 0.29
HSL	210°, 100%, 36%
HSV	210°, 100%, 71%
XYZ	11.9974, 10.6485, 45.1358
YIQ	73.4640, -82.8510, 9.2210

Conversions

Conversions Part 2

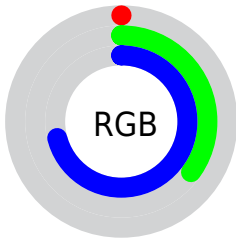
Format	Color
RYB	0, 60, 181
Decimal	23221
CIELab	38.98, 13.82, -54.33
CIELCh	39, 56.059, 284.275
Yxy	10.6485, 0.1770, 0.1571
Android (android.graphics.Color)	4278213301 (0xFF005AB5)
YUV	73.4640, 53.0152, -64.4279
Hunter-Lab	32.6320, 8.5205, -59.1660

Details

The Yxy color **10.6485, 0.1770, 0.1571** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **17.3337, 0.5394, 0.4099**, and the grayscale version is **6.6731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9136, 0.2069, 0.1915**, and **3.4863, 0.1670, 0.1211** is the 20% darker color. If you saturate the color by 10%, you get **10.6336, 0.1769, 0.1569**, and if you desaturate by 10%, it is **12.4107, 0.1843, 0.1751**.

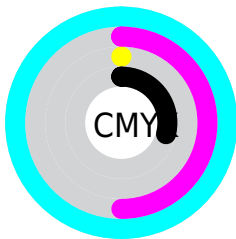
Distribution



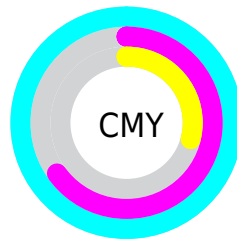
- Red (0%)
- Green (35%)
- Blue (71%)



- Red (0%)
- Yellow (24%)
- Blue (71%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (65%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6485, 0.1770, 0.1571 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 10.6485, 0.1770, 0.1571 by changing the saturation by 10% instead.


 10.6485, 0.1770,
0.1571


 10.6485, 0.1770,
0.1571


195.2399, 0.2551,
0.2513

 5.8310, 0.1553,
0.1329


 27.0083, 0.2074,
0.1924


 2.7426, 0.1273,
0.1029

 39.3194, 0.2183,
0.2055


 0.9989, 0.0913,
0.0669

 54.8972, 0.2272,
0.2164

 0.0000, 0.0318,
0.0000

 74.1261, 0.2346,
0.2256

 0.0000, 0.0000,
0.0000

 97.3904, 0.2410,
0.2334

 125.0745, 0.2463,

0.2402

157.5629, 0.2510,
0.2461

■ 10.6485, 0.1770,
0.1571

■ 10.6485, 0.1770,
0.1571

■ 10.6336, 0.1769,
0.1569

■ 12.4107, 0.1843,
0.1751

■ 14.4877, 0.1936,
0.1939

■ 16.9306, 0.2053,
0.2134

■ 19.7671, 0.2188,
0.2329

■ 23.0213, 0.2337,
0.2518

■ 26.7147, 0.2495,
0.2699

■ 30.8673, 0.2656,
0.2868

■ 35.4975, 0.2818,
0.3024

■ 40.6225, 0.2976,
0.3165

Harmonies

Analogous

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



10.6485, 0.1301, 0.1670



10.6485, 0.1770, 0.1571



10.6485, 0.2664, 0.1772

Triad

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



10.6485, 0.1770, 0.1571



10.6485, 0.5546, 0.3649



10.6485, 0.2102, 0.4802

Complementary

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



10.6485, 0.1770, 0.1571



17.3337, 0.5394, 0.4099

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.



10.6485, 0.3139, 0.5676



10.6485, 0.1770, 0.1571



10.6485, 0.5130, 0.4480

Square

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



10.6485, 0.1770, 0.1571



10.6485, 0.5126, 0.2904



10.6485, 0.4226, 0.5324



10.6485, 0.1416, 0.3254

Rectangle

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



10.6485, 0.1770, 0.1571



10.6485, 0.3493, 0.2059



10.6485, 0.4226, 0.5324



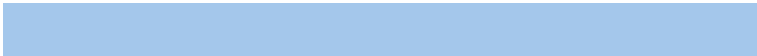
10.6485, 0.2424, 0.5235

Sweetspot

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



10.6488, 0.1770, 0.1571



54.8220, 0.2647, 0.2859



33.7946, 0.2723, 0.5003



11.1650, 0.2579, 0.2790



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.6488, 0.1770, 0.1571



18.5913, 0.1762, 0.1542



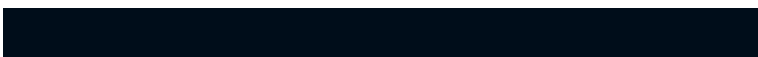
3.3406, 0.1501, 0.0601



8.9042, 0.2985, 0.3173



7.4696, 0.1775, 0.1591



0.3518, 0.1918, 0.2104

Inverse Universe

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



10.5648, 0.4968, 0.2511



18.8678, 0.5005, 0.2531



42.8689, 0.4193, 0.5052



8.5733, 0.3212, 0.3177



7.2942, 0.4942, 0.2496



0.2413, 0.4336, 0.2162

Previews

White Background



This preview shows how the Yxy color 10.6485, 0.1770, 0.1571 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 10.6485, 0.1770, 0.1571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

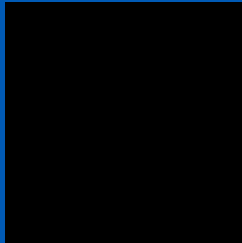
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6485, 0.1770, 0.1571

Background



This preview shows how black text looks on a background with the Yxy color 10.6485, 0.1770, 0.1571.



This preview shows how white text looks on a background with the Yxy color 10.6485, 0.1770, 0.1571.

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

10.6485, 0.1770, 0.1571

Protanopia

10.7745, 0.1848, 0.1601

Deuteranopia

10.6498, 0.1849, 0.1855



Tritanopia

10.6069, 0.2194, 0.3098

Trichromacy



Original Color

10.6485, 0.1770, 0.1571

Protanomaly

10.6222, 0.1805, 0.1577

Deuteranomaly

10.7310, 0.1819, 0.1747

Tritanomaly

10.4846, 0.2000, 0.2399

Monochromacy



Original Color

10.6485, 0.1770, 0.1571

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.5339, 0.2246, 0.2410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6485, 0.1770, 0.1571 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, 90, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 181)  
}
```

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, 90, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 181) }
```

Border

The CSS property to change the border of an element to Yxy 10.6485, 0.1770, 0.1571 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, 90, 181) }
```

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

```
.border{ border-color:rgb(0, 90, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 90, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 90, 181)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6485, 0.1770, 0.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 181) }
```

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

```
.background{ background-color: rgb(0, 90,  
181) }
```

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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