

Converting Colors

$Y_{xy}(7.9986, 0.0915, 0.1292)$

Have a look what the booklet for
Yxy(7.9986, 0.0915, 0.1292)
contains.

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Color

Yxy(11.7723, 0.1779, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	005FBB
RGB	0, 95, 187
RGB Percent	0%, 37%, 73%
CMY	0.9989, 0.6275, 0.2666
CMYK	1.00, 0.49, 0.00, 0.27
HSL	210°, 100%, 37%
HSV	210°, 100%, 73%
XYZ	13.0648, 11.7723, 48.6020
YIQ	77.0830, -86.1520, 8.4720

Conversions

Conversions Part 2

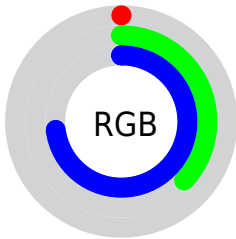
Format	Color
RYB	0, 63, 187
Decimal	24507
CIELab	40.85, 12.99, -54.83
CIELCh	41, 56.346, 283.330
Yxy	11.7723, 0.1779, 0.1603
Android (android.graphics.Color)	4278214587 (0xFF005FBB)
YUV	77.0830, 54.1891, -67.6018
Hunter-Lab	34.3108, 7.9252, -59.9682

Details

The Yxy color **11.7723, 0.1779, 0.1603** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **18.2729, 0.5426, 0.4072**, and the grayscale version is **7.3626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1621, 0.2074, 0.1947**, and **3.9747, 0.1678, 0.1241** is the 20% darker color. If you saturate the color by 10%, you get **11.7459, 0.1778, 0.1600**, and if you desaturate by 10%, it is **13.6685, 0.1851, 0.1780**.

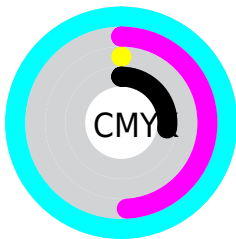
Distribution



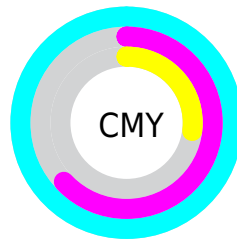
- Red (0%)
- Green (37%)
- Blue (73%)



- Red (0%)
- Yellow (25%)
- Blue (73%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7723, 0.1779, 0.1603 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 11.7723, 0.1779, 0.1603 by changing the saturation by 10% instead.

■ 11.7723, 0.1779,
0.1603

■ 11.7723, 0.1779,
0.1603

■ 202.8920, 0.2544,
0.2519

■ 6.5888, 0.1570,
0.1370

■ 29.0797, 0.2074,
0.1944

■ 3.2063, 0.1302,
0.1082

■ 41.9724, 0.2180,
0.2071

■ 1.2404, 0.0958,
0.0732

■ 58.2037, 0.2268,
0.2177

■ 0.0943, 0.0477,
0.0111

■ 78.1579, 0.2342,
0.2266

■ 0.0000, 0.0000,
0.0000

■ 102.2194, 0.2404,
0.2343

■ 130.7727, 0.2457,

0.2410

164.2021, 0.2504,
0.2468

■ 11.7723, 0.1779,
0.1603

■ 11.7723, 0.1779,
0.1603

■ 11.7459, 0.1778,
0.1600

■ 13.6685, 0.1851,
0.1780

■ 15.8988, 0.1943,
0.1966

■ 18.5161, 0.2057,
0.2157

■ 21.5501, 0.2191,
0.2348

■ 25.0265, 0.2339,
0.2534

■ 28.9685, 0.2496,
0.2711

■ 33.3971, 0.2657,
0.2877

■ 38.3319, 0.2818,
0.3029

■ 43.7914, 0.2977,
0.3168

Harmonies

Analogous

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



11.7723, 0.1327, 0.1714



11.7723, 0.1779, 0.1603



11.7723, 0.2643, 0.1792

Triad

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



11.7723, 0.1779, 0.1603



11.7723, 0.5490, 0.3632



11.7723, 0.2161, 0.4797

Complementary

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



11.7723, 0.1779, 0.1603



18.2729, 0.5426, 0.4072

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.



11.7723, 0.3186, 0.5611



11.7723, 0.1779, 0.1603



11.7723, 0.5117, 0.4444

Square

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



11.7723, 0.1779, 0.1603



11.7723, 0.5045, 0.2896



11.7723, 0.4248, 0.5262



11.7723, 0.1469, 0.3304

Rectangle

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



11.7723, 0.1779, 0.1603



11.7723, 0.3445, 0.2069



11.7723, 0.4248, 0.5262



11.7723, 0.2481, 0.5204

Sweetspot

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



11.7726, 0.1779, 0.1603



59.2774, 0.2647, 0.2867



36.2935, 0.2740, 0.5062



12.2954, 0.2578, 0.2798



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.7726, 0.1779, 0.1603



20.5595, 0.1771, 0.1574



3.6637, 0.1504, 0.0611



10.0037, 0.2984, 0.3174



8.2371, 0.1784, 0.1621



0.4534, 0.1904, 0.2053

Inverse Universe

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



11.3980, 0.4927, 0.2489



20.3483, 0.4964, 0.2508



44.8046, 0.4222, 0.5029



9.6149, 0.3211, 0.3174



7.8612, 0.4904, 0.2475



0.3211, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 11.7723, 0.1779, 0.1603 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 11.7723, 0.1779, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

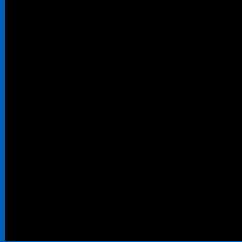
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7723, 0.1779, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 11.7723, 0.1779, 0.1603.



This preview shows how white text looks on a background with the Yxy color 11.7723, 0.1779, 0.1603.

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

11.7723, 0.1779, 0.1603

Protanopia

11.8451, 0.1873, 0.1623

Deuteranopia

11.6756, 0.1844, 0.1837



Tritanopia

11.7303, 0.2196, 0.3106

Trichromacy



Original Color

11.7723, 0.1779, 0.1603

Protanomaly

11.7836, 0.1821, 0.1611

Deuteranomaly

11.7237, 0.1818, 0.1746

Tritanomaly

11.6236, 0.2003, 0.2411

Monochromacy



Original Color

11.7723, 0.1779, 0.1603

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.2780, 0.2253, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7723, 0.1779, 0.1603 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, 95, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 187)  
}
```

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, 95, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 187) }
```

Border

The CSS property to change the border of an element to Yxy 11.7723, 0.1779, 0.1603 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, 95, 187) }
```

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

```
.border{ border-color:rgb(0, 95, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 187)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7723, 0.1779, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 187) }
```

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

```
.background{ background-color: rgb(0, 95,  
187) }
```

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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