

Converting Colors

$Y_{xy}(10.6380, 0.1674, 0.1226)$

Have a look what the booklet for
Yxy(10.6380, 0.1674, 0.1226)
contains.

Yxy(10.6380, 0.1674, 0.1226)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6380, 0.1674, 0.1226)

Conversions

Conversions Part 1

Format	Color
Hex	0052D1
RGB	0, 82, 209
RGB Percent	0%, 32%, 82%
CMY	0.9999, 0.6784, 0.1804
CMYK	1.00, 0.61, 0.00, 0.18
HSL	216°, 100%, 41%
HSV	216°, 100%, 82%
XYZ	14.5253, 10.6380, 61.6067
YIQ	71.9600, -89.6390, 22.1130

Conversions

Conversions Part 2

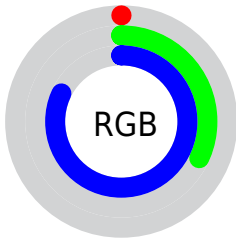
Format	Color
R _Y B	0, 59, 209
Decimal	21201
CIE Lab	38.96, 30.41, -70.65
CIE LCh	39, 76.919, 293.285
Yxy	10.6380, 0.1674, 0.1226
Android (android.graphics.Color)	4278211281 (0xFF0052D1)
YUV	71.9600, 67.5607, -63.1089
Hunter-Lab	32.6159, 22.4159, -89.1589

Details

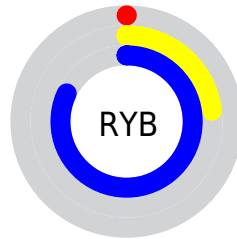
The Yxy color **10.6380, 0.1674, 0.1226** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **28.7395, 0.5104, 0.4329**, and the grayscale version is **6.3686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2774, 0.2029, 0.1685**, and **3.7509, 0.1589, 0.0921** is the 20% darker color. If you saturate the color by 10%, you get **10.6355, 0.1674, 0.1226**, and if you desaturate by 10%, it is **12.8928, 0.1750, 0.1421**.

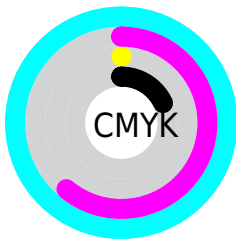
Distribution



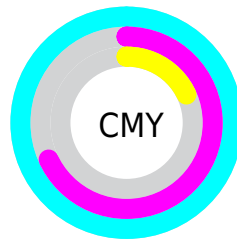
- Red (0%)
- Green (32%)
- Blue (82%)



- Red (0%)
- Yellow (23%)
- Blue (82%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (68%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6380, 0.1674, 0.1226 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 10.6380, 0.1674, 0.1226 by changing the saturation by 10% instead.


 10.6380, 0.1674,
0.1226


 10.6380, 0.1674,
0.1226


195.1669, 0.2495,
0.2276


 5.8240, 0.1461,
0.0993


 26.9888, 0.1984,
0.1594


 2.7383, 0.1195,
0.0724

 39.2944, 0.2098,
0.1738


 0.9967, 0.0869,
0.0433

 54.8659, 0.2193,
0.1861

 0.0000, 0.0493,
0.0000

 74.0878, 0.2273,
0.1968

 0.0000, 0.0000,
0.0000

 97.3444, 0.2341,
0.2060

125.0202, 0.2400,

0.2141

157.4996, 0.2450,
0.2213

■ 10.6380, 0.1674,
0.1226

■ 10.6380, 0.1674,
0.1226

■ 10.6355, 0.1674,
0.1226

■ 12.8928, 0.1750,
0.1421

■ 15.6916, 0.1852,
0.1637

■ 19.1092, 0.1981,
0.1868

■ 23.1929, 0.2131,
0.2104

■ 27.9841, 0.2295,
0.2337

■ 33.5202, 0.2467,
0.2561

■ 39.8358, 0.2640,
0.2770

■ 46.9628, 0.2810,
0.2962

■ 54.9312, 0.2973,
0.3135

Harmonies

Analogous

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



10.6380, 0.1024, 0.1210



10.6380, 0.1674, 0.1226



10.6380, 0.2941, 0.1546

Triad

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



10.6380, 0.1674, 0.1226



10.6380, 0.6096, 0.3767



10.6380, 0.1406, 0.4755

Complementary

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



10.6380, 0.1674, 0.1226



28.7395, 0.5104, 0.4329

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.



10.6380, 0.2509, 0.6522



10.6380, 0.1674, 0.1226



10.6380, 0.5152, 0.4848

Square

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



10.6380, 0.1674, 0.1226



10.6380, 0.6080, 0.2923



10.6380, 0.3863, 0.6137



10.6380, 0.0856, 0.2606

Rectangle

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



10.6380, 0.1674, 0.1226



10.6380, 0.4130, 0.1929



10.6380, 0.3863, 0.6137



10.6380, 0.1726, 0.5551

Sweetspot

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



10.6382, 0.1674, 0.1226



62.1047, 0.2634, 0.2763



47.0905, 0.2630, 0.4669



12.3602, 0.2560, 0.2675



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.



10.6382, 0.1674, 0.1226



16.3402, 0.1668, 0.1206



4.7625, 0.1531, 0.0617



12.1675, 0.2982, 0.3145



6.7371, 0.1681, 0.1252



0.5294, 0.1784, 0.1623

Inverse Universe

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



14.1646, 0.5430, 0.2765



22.1807, 0.5458, 0.2780



56.3032, 0.4017, 0.5192



11.8839, 0.3230, 0.3199



8.7514, 0.5393, 0.2744



0.5047, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 10.6380, 0.1674, 0.1226 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 10.6380, 0.1674, 0.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

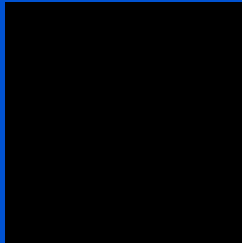
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.6380, 0.1674, 0.1226

Background



This preview shows how black text looks on a background with the Yxy color 10.6380, 0.1674, 0.1226.



This preview shows how white text looks on a background with the Yxy color 10.6380, 0.1674, 0.1226.

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

10.6380, 0.1674, 0.1226

Protanopia

10.5673, 0.1744, 0.1480

Deuteranopia

10.5435, 0.1860, 0.1895



Tritanopia

10.5855, 0.2201, 0.3124

Trichromacy



Original Color

10.6380, 0.1674, 0.1226

Protanomaly

10.5957, 0.1717, 0.1380

Deuteranomaly

10.5267, 0.1778, 0.1601

Tritanomaly

10.2288, 0.1929, 0.2144

Monochromacy



Original Color

10.6380, 0.1674, 0.1226

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.1549, 0.2138, 0.2117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6380, 0.1674, 0.1226 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, 82, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 209)  
}
```

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, 82, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 209) }
```

Border

The CSS property to change the border of an element to Yxy 10.6380, 0.1674, 0.1226 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, 82, 209) }
```

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

```
.border{ border-color:rgb(0, 82, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 82, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 82, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 82, 209)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6380, 0.1674, 0.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 209) }
```

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

```
.background{ background-color: rgb(0, 82,  
209) }
```

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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