

Converting Colors

$Y_{xy}(10.6923, 0.1622, 0.1037)$

Have a look what the booklet for
Yxy(10.6923, 0.1622, 0.1037)
contains.

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Color

Yxy(10.7518, 0.1622, 0.1038)

Conversions

Conversions Part 1

Format	Color
Hex	004BE6
RGB	0, 75, 230
RGB Percent	0%, 29%, 90%
CMY	0.9988, 0.7057, 0.0982
CMYK	1.00, 0.67, 0.00, 0.10
HSL	220°, 100%, 45%
HSV	220°, 100%, 90%
XYZ	16.8010, 10.7518, 76.0291
YIQ	70.2450, -94.4550, 32.3050

Conversions

Conversions Part 2

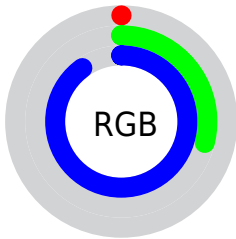
Format	Color
RYB	0, 57, 230
Decimal	19430
CIELab	39.16, 42.85, -82.33
CIELCh	39, 92.817, 297.497
Yxy	10.7518, 0.1622, 0.1038
Android (android.graphics.Color)	4278209510 (0xFF004BE6)
YUV	70.2450, 78.7592, -61.6049
Hunter-Lab	32.7899, 34.0778, -114.5211

Details

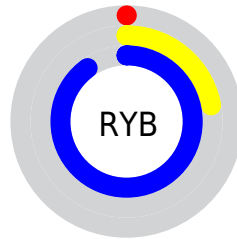
The Yxy color **10.7518, 0.1622, 0.1038** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **40.3390, 0.4922, 0.4473**, and the grayscale version is **6.0667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.8865, 0.2047, 0.1614**, and **4.0502, 0.1550, 0.0779** is the 20% darker color. If you saturate the color by 10%, you get **10.7214, 0.1621, 0.1036**, and if you desaturate by 10%, it is **13.3045, 0.1697, 0.1231**.

Distribution



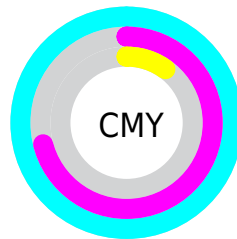
- Red (0%)
- Green (29%)
- Blue (90%)



- Red (0%)
- Yellow (22%)
- Blue (90%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (71%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7518, 0.1622, 0.1038 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 10.7518, 0.1622, 0.1038 by changing the saturation by 10% instead.


 10.7518, 0.1622,
0.1038


 10.7518, 0.1622,
0.1038


195.9567, 0.2459,
0.2121


 5.9002, 0.1414,
0.0819


 27.2003, 0.1932,
0.1400


 2.7845, 0.1161,
0.0579

 39.5659, 0.2048,
0.1547

 1.0203, 0.0858,
0.0332

 55.2051, 0.2145,
0.1675

 0.0000, 0.0525,
0.0000

 74.5021, 0.2228,
0.1788

 0.0000, 0.0000,
0.0000

 97.8414, 0.2299,
0.1886

125.6073, 0.2359,

0.1974

158.1843, 0.2413,
0.2051

■ 10.7518, 0.1622,
0.1038

■ 10.7518, 0.1622,
0.1038

■ 10.7214, 0.1621,
0.1036

■ 13.3045, 0.1697,
0.1231

■ 16.6226, 0.1803,
0.1456

■ 20.8055, 0.1938,
0.1704

■ 25.9219, 0.2097,
0.1964

■ 32.0324, 0.2271,
0.2224

■ 39.1917, 0.2452,
0.2474

■ 47.4501, 0.2633,
0.2710

■ 56.8544, 0.2808,
0.2925

■ 67.4487, 0.2974,
0.3119

Harmonies

Analogous

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



10.7518, 0.0877, 0.0972



10.7518, 0.1622, 0.1038



10.7518, 0.3149, 0.1411

Triad

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



10.7518, 0.1622, 0.1038



10.7518, 0.6273, 0.3727



10.7518, 0.0994, 0.4606

Complementary

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



10.7518, 0.1622, 0.1038



40.3390, 0.4922, 0.4473

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.



10.7518, 0.2043, 0.7123



10.7518, 0.1622, 0.1038



10.7518, 0.5000, 0.5000

Square

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



10.7518, 0.1622, 0.1038



10.7518, 0.6627, 0.2857



10.7518, 0.3437, 0.6563



10.7518, 0.0579, 0.2179

Rectangle

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



10.7518, 0.1622, 0.1038



10.7518, 0.4604, 0.1839



10.7518, 0.3437, 0.6563



10.7518, 0.1280, 0.5683

Sweetspot

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



10.7520, 0.1622, 0.1038



59.6428, 0.2627, 0.2703



58.8918, 0.2565, 0.4433



11.7854, 0.2551, 0.2605



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.



10.7520, 0.1622, 0.1038



13.4038, 0.1619, 0.1026



6.1415, 0.1566, 0.0637



14.6492, 0.2981, 0.3127



6.2694, 0.1629, 0.1063



0.6275, 0.1710, 0.1355

Inverse Universe

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



17.3332, 0.5701, 0.2915



21.8843, 0.5719, 0.2924



67.7431, 0.3898, 0.5286



14.4449, 0.3241, 0.3214



9.8306, 0.5664, 0.2894



0.7430, 0.5251, 0.2667

Previews

White Background



This preview shows how the Yxy color 10.7518, 0.1622, 0.1038 looks on a white background.

Color Contrast Check

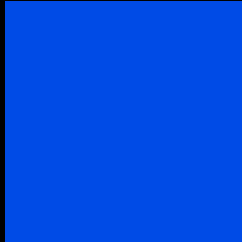
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7518, 0.1622, 0.1038 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 10.7518, 0.1622, 0.1038

Background



This preview shows how black text looks on a background with the Yxy color 10.7518, 0.1622, 0.1038.



This preview shows how white text looks on a background with the Yxy color 10.7518, 0.1622, 0.1038.

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

10.7453, 0.1622, 0.1037

Protanopia

10.5673, 0.1744, 0.1480

Deuteranopia

10.5086, 0.1864, 0.1909



Tritanopia

10.5643, 0.2209, 0.3151

Trichromacy



Original Color

10.7453, 0.1622, 0.1037

Protanomaly

10.4983, 0.1688, 0.1278

Deuteranomaly

10.3192, 0.1745, 0.1480

Tritanomaly

9.9213, 0.1879, 0.1963

Monochromacy



Original Color

10.7453, 0.1622, 0.1037

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.7511, 0.2062, 0.1908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7518, 0.1622, 0.1038 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, 75, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 230)  
}
```

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, 75, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 230) }
```

Border

The CSS property to change the border of an element to Yxy 10.7518, 0.1622, 0.1038 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, 75, 230) }
```

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

```
.border{ border-color:rgb(0, 75, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 75, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 75, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 75, 230)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7518, 0.1622, 0.1038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 230) }
```

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

```
.background{ background-color: rgb(0, 75,  
230) }
```

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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