

Converting Colors

$Y_{xy}(10.7275, 0.1635, 0.1084)$

Have a look what the booklet for
Yxy(10.7275, 0.1635, 0.1084)
contains.

Yxy(10.6960, 0.1636, 0.1085)	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

Yxy(10.6960, 0.1636, 0.1085)

Conversions

Conversions Part 1

Format	Color
Hex	014DE0
RGB	1, 77, 224
RGB Percent	0%, 30%, 88%
CMY	0.9943, 0.6982, 0.1214
CMYK	0.99, 0.66, 0.00, 0.12
HSL	220°, 99%, 44%
HSV	220°, 99%, 88%
XYZ	16.1278, 10.6960, 71.7569
YIQ	71.0340, -92.4830, 29.6050

Conversions

Conversions Part 2

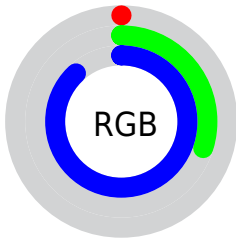
Format	Color
R _Y B	1, 58, 224
Decimal	85472
CIE Lab	39.06, 39.47, -79.11
CIE LCh	39, 88.407, 296.514
Yxy	10.6960, 0.1636, 0.1085
Android (android.graphics.Color)	4278275552 (0xFF014DE0)
YUV	71.0340, 75.4122, -61.4198
Hunter-Lab	32.7047, 30.7910, -107.1938

Details

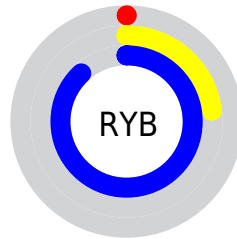
The Yxy color **10.6960, 0.1636, 0.1085** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **37.1946, 0.4952, 0.4446**, and the grayscale version is **6.2104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.2675, 0.2041, 0.1634**, and **3.9341, 0.1559, 0.0813** is the 20% darker color. If you saturate the color by 10%, you get **10.5543, 0.1632, 0.1073**, and if you desaturate by 10%, it is **13.1904, 0.1713, 0.1281**.

Distribution



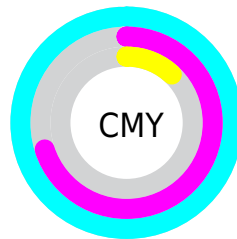
- Red (0%)
- Green (30%)
- Blue (88%)



- Red (0%)
- Yellow (23%)
- Blue (88%)



- Cyan (99%)
- Magenta (66%)
- Yellow (0%)
- Black (12%)




- Cyan (99%)
- Magenta (70%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6960, 0.1636, 0.1085 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 10.6960, 0.1636, 0.1085 by changing the saturation by 10% instead.


 10.6960, 0.1636,
0.1085


 10.6960, 0.1636,
0.1085

195.5699, 0.2469,
0.2162


 5.8628, 0.1426,
0.0862


 27.0966, 0.1946,
0.1450


 2.7618, 0.1169,
0.0613

 39.4329, 0.2062,
0.1597


 1.0087, 0.0860,
0.0356

 55.0389, 0.2159,
0.1724

 0.0000, 0.0519,
0.0000

 74.2991, 0.2241,
0.1835

 0.0000, 0.0000,
0.0000

 97.5979, 0.2311,
0.1932

125.3197, 0.2371,

0.2018

157.8489, 0.2423,
0.2094

■ 10.6960, 0.1636,
0.1085

■ 10.6960, 0.1636,
0.1085

■ 10.5543, 0.1632,
0.1073

■ 13.1904, 0.1713,
0.1281

■ 16.3966, 0.1820,
0.1506

■ 20.4018, 0.1955,
0.1752

■ 25.2683, 0.2114,
0.2007

■ 31.0507, 0.2286,
0.2261

■ 37.7984, 0.2465,
0.2505

■ 45.5570, 0.2644,
0.2734

■ 54.3690, 0.2817,
0.2944

■ 64.2742, 0.2982,
0.3132

Harmonies

Analogous

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



10.6960, 0.0914, 0.1030



10.6960, 0.1636, 0.1085



10.6960, 0.3094, 0.1446

Triad

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



10.6960, 0.1636, 0.1085



10.6960, 0.6248, 0.3752



10.6960, 0.1096, 0.4652

Complementary

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



10.6960, 0.1636, 0.1085



37.1946, 0.4952, 0.4446

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.



10.6960, 0.2167, 0.6961



10.6960, 0.1636, 0.1085



10.6960, 0.5041, 0.4959

Square

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



10.6960, 0.1636, 0.1085



10.6960, 0.6492, 0.2882



10.6960, 0.3552, 0.6448



10.6960, 0.0644, 0.2288

Rectangle

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



10.6960, 0.1636, 0.1085



10.6960, 0.4477, 0.1864



10.6960, 0.3552, 0.6448



10.6960, 0.1394, 0.5653

Sweetspot

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



10.6962, 0.1636, 0.1085



60.1473, 0.2628, 0.2715



55.4163, 0.2580, 0.4485



11.9029, 0.2553, 0.2620



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.



10.6962, 0.1636, 0.1085



13.9592, 0.1628, 0.1061



5.7693, 0.1559, 0.0635



13.9997, 0.2981, 0.3131



6.3330, 0.1639, 0.1101



0.6009, 0.1725, 0.1411

Inverse Universe

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



16.4189, 0.5631, 0.2880



21.9403, 0.5667, 0.2896



64.3610, 0.3928, 0.5260



13.7769, 0.3239, 0.3211



9.5474, 0.5609, 0.2864



0.6781, 0.5176, 0.2625

Previews

White Background



This preview shows how the Yxy color 10.6960, 0.1636, 0.1085 looks on a white background.

Color Contrast Check

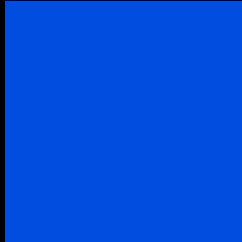
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6960, 0.1636, 0.1085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

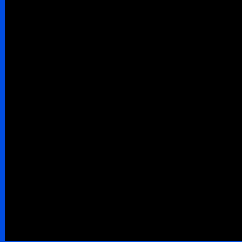
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

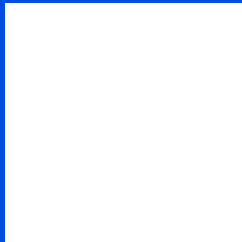
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6960, 0.1636, 0.1085

Background



This preview shows how black text looks on a background with the Yxy color 10.6960, 0.1636, 0.1085.



This preview shows how white text looks on a background with the Yxy color 10.6960, 0.1636, 0.1085.

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

10.6960, 0.1636, 0.1085

Protanopia

10.5246, 0.1747, 0.1488

Deuteranopia

10.5086, 0.1864, 0.1909



Tritanopia

10.5643, 0.2209, 0.3151

Trichromacy



Original Color

10.6960, 0.1636, 0.1085

Protanomaly

10.5172, 0.1699, 0.1313

Deuteranomaly

10.4048, 0.1756, 0.1516

Tritanomaly

10.0372, 0.1895, 0.2017

Monochromacy



Original Color

10.6960, 0.1636, 0.1085

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.8782, 0.2083, 0.1952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6960, 0.1636, 0.1085 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(1, 77, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 77, 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(1, 77, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 77, 224) }
```

Border

The CSS property to change the border of an element to Yxy 10.6960, 0.1636, 0.1085 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(1, 77, 224) }
```

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

```
.border{ border-color:rgb(1, 77, 224) }
```

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

Here you see how a box with a 4 pixel rgb(1, 77, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 77, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 77, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 77, 224)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6960, 0.1636, 0.1085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 77, 224) }
```

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

```
.background{ background-color: rgb(1, 77,  
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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