

Converting Colors

$Yxy(12.0416, 0.1648, 0.1133)$

Have a look what the booklet for
Yxy(12.0416, 0.1648, 0.1133)
contains.

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Color

Yxy(12.1102, 0.1649, 0.1135)

Conversions

Conversions Part 1

Format	Color
Hex	0054E7
RGB	0, 84, 231
RGB Percent	0%, 33%, 91%
CMY	0.9984, 0.6706, 0.0942
CMYK	1.00, 0.64, 0.00, 0.09
HSL	218°, 100%, 45%
HSV	218°, 100%, 91%
XYZ	17.5945, 12.1102, 76.9931
YIQ	75.6420, -97.2510, 27.9090

Conversions

Conversions Part 2

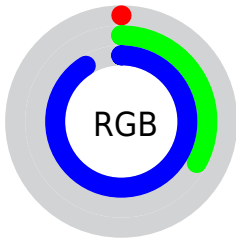
Format	Color
R _{YB}	0, 62, 231
Decimal	21735
CIE Lab	41.39, 37.59, -79.23
CIE LCh	41, 87.694, 295.378
Yxy	12.1102, 0.1649, 0.1135
Android (android.graphics.Color)	4278211815 (0xFF0054E7)
YUV	75.6420, 76.5915, -66.3380
Hunter-Lab	34.7997, 29.3487, -106.8172

Details

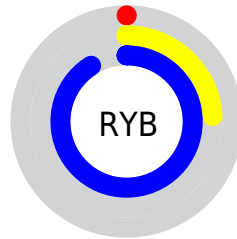
The Yxy color **12.1102, 0.1649, 0.1135** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **37.9712, 0.5024, 0.4392**, and the grayscale version is **7.0517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1832, 0.2065, 0.1721**, and **4.6419, 0.1574, 0.0866** is the 20% darker color. If you saturate the color by 10%, you get **12.0686, 0.1648, 0.1132**, and if you desaturate by 10%, it is **14.8264, 0.1724, 0.1330**.

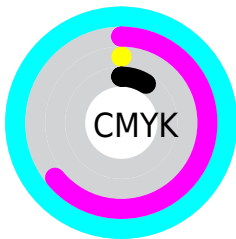
Distribution



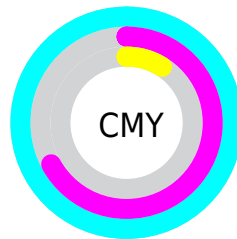
- Red (0%)
- Green (33%)
- Blue (91%)



- Red (0%)
- Yellow (24%)
- Blue (91%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (67%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1102, 0.1649, 0.1135 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 12.1102, 0.1649, 0.1135 by changing the saturation by 10% instead.


 12.1102, 0.1649,
0.1135


 12.1102, 0.1649,
0.1135


205.1335, 0.2462,
0.2180


 6.8188, 0.1448,
0.0918


 29.6957, 0.1949,
0.1489


 3.3490, 0.1201,
0.0674


 42.7585, 0.2062,
0.1631

 1.3165, 0.0904,
0.0415

 59.1805, 0.2156,
0.1754

 0.1540, 0.0571,
0.0081

 79.3463, 0.2236,
0.1862

 0.0000, 0.0011,
0.0000

 103.6400, 0.2305,
0.1956

 0.0000, 0.0000,
0.0000

132.4462, 0.2365,

0.2040

166.1492, 0.2416,
0.2114

■ 12.1102, 0.1649,
0.1135

■ 12.1102, 0.1649,
0.1135

■ 12.0686, 0.1648,
0.1132

■ 14.8264, 0.1724,
0.1330

■ 18.2717, 0.1828,
0.1551

■ 22.5400, 0.1960,
0.1791

■ 27.6955, 0.2114,
0.2039

■ 33.7946, 0.2283,
0.2285

■ 40.8883, 0.2460,
0.2522

■ 49.0234, 0.2637,
0.2743

■ 58.2433, 0.2810,
0.2946

■ 68.5891, 0.2975,
0.3129

Harmonies

Analogous

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



12.1102, 0.0953, 0.1093



12.1102, 0.1649, 0.1135



12.1102, 0.3035, 0.1482

Triad

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



12.1102, 0.1649, 0.1135



12.1102, 0.6224, 0.3776



12.1102, 0.1207, 0.4697

Complementary

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



12.1102, 0.1649, 0.1135



37.9712, 0.5024, 0.4392

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.



12.1102, 0.2296, 0.6798



12.1102, 0.1649, 0.1135



12.1102, 0.5084, 0.4916

Square

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



12.1102, 0.1649, 0.1135



12.1102, 0.6346, 0.2901



12.1102, 0.3670, 0.6330



12.1102, 0.0718, 0.2404

Rectangle

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



12.1102, 0.1649, 0.1135



12.1102, 0.4346, 0.1888



12.1102, 0.3670, 0.6330



12.1102, 0.1515, 0.5622

Sweetspot

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



12.1104, 0.1649, 0.1135



61.0002, 0.2631, 0.2736



59.2295, 0.2599, 0.4554



12.1019, 0.2556, 0.2644



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.



12.1104, 0.1649, 0.1135



14.9526, 0.1645, 0.1123



6.0703, 0.1545, 0.0626



14.7383, 0.2981, 0.3136



6.9825, 0.1656, 0.1161



0.6877, 0.1737, 0.1454

Inverse Universe

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



17.6335, 0.5559, 0.2837



22.0406, 0.5578, 0.2846



69.4504, 0.3957, 0.5239



14.4539, 0.3236, 0.3205



9.9026, 0.5522, 0.2816



0.7491, 0.5120, 0.2594

Previews

White Background



This preview shows how the Yxy color 12.1102, 0.1649, 0.1135 looks on a white background.

Color Contrast Check

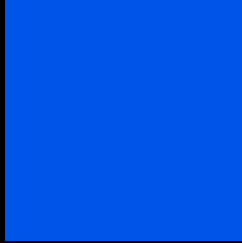
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1102, 0.1649, 0.1135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

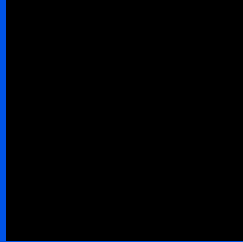
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.1102, 0.1649, 0.1135

Background



This preview shows how black text looks on a background with the Yxy color 12.1102, 0.1649, 0.1135.



This preview shows how white text looks on a background with the Yxy color 12.1102, 0.1649, 0.1135.

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

12.1102, 0.1649, 0.1135

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

11.9789, 0.1862, 0.1904



Tritanopia

11.9400, 0.2203, 0.3132

Trichromacy



Original Color

12.1102, 0.1649, 0.1135

Protanomaly

11.9655, 0.1704, 0.1333

Deuteranomaly

11.8112, 0.1761, 0.1539

Tritanomaly

11.3580, 0.1903, 0.2049

Monochromacy



Original Color

12.1102, 0.1649, 0.1135

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.9109, 0.2106, 0.2025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1102, 0.1649, 0.1135 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, 84, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 84, 231)  
}
```

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, 84, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 84, 231) }
```

Border

The CSS property to change the border of an element to Yxy 12.1102, 0.1649, 0.1135 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, 84, 231) }
```

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

```
.border{ border-color:rgb(0, 84, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 84, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 84, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 84, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 84, 231)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1102, 0.1649, 0.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 84, 231) }
```

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

```
.background{ background-color: rgb(0, 84,  
231) }
```

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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