

Converting Colors

$Y_{xy}(12.9300, 0.1650, 0.1140)$

Have a look what the booklet for
Yxy(12.9300, 0.1650, 0.1140)
contains.

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Color

Yxy(12.9308, 0.1651, 0.1142)

Conversions

Conversions Part 1

Format	Color
Hex	0057ED
RGB	0, 87, 237
RGB Percent	0%, 34%, 93%
CMY	0.9980, 0.6588, 0.0707
CMYK	1.00, 0.63, 0.00, 0.07
HSL	218°, 100%, 47%
HSV	218°, 100%, 93%
XYZ	18.6942, 12.9308, 81.6044
YIQ	78.0870, -100.0020, 28.2060

Conversions

Conversions Part 2

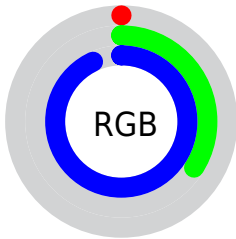
Format	Color
RYB	0, 64, 237
Decimal	22509
CIELab	42.66, 37.94, -80.53
CIELCh	43, 89.021, 295.224
Yxy	12.9308, 0.1651, 0.1142
Android (android.graphics.Color)	4278212589 (0xFF0057ED)
YUV	78.0870, 78.3441, -68.4823
Hunter-Lab	35.9594, 29.8676, -109.3781

Details

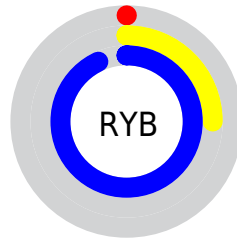
The Yxy color **12.9308, 0.1651, 0.1142** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **39.9628, 0.5034, 0.4383**, and the grayscale version is **7.5279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1433, 0.2084, 0.1762**, and **5.0230, 0.1575, 0.0869** is the 20% darker color. If you saturate the color by 10%, you get **12.8767, 0.1650, 0.1138**, and if you desaturate by 10%, it is **15.8162, 0.1726, 0.1337**.

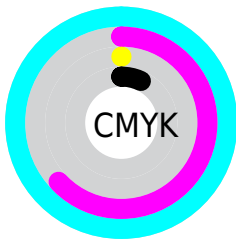
Distribution



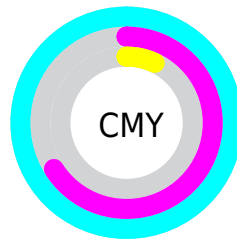
- Red (0%)
- Green (34%)
- Blue (93%)



- Red (0%)
- Yellow (25%)
- Blue (93%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (66%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9308, 0.1651, 0.1142 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 12.9308, 0.1651, 0.1142 by changing the saturation by 10% instead.


 12.9308, 0.1651,
0.1142


 12.9308, 0.1651,
0.1142


210.4737, 0.2455,
0.2173

 7.3809, 0.1454,
0.0929


 31.1794, 0.1946,
0.1489


 3.7014, 0.1214,
0.0690


 44.6469, 0.2057,
0.1629

 1.5080, 0.0926,
0.0436

 61.5224, 0.2151,
0.1751

 0.2943, 0.0599,
0.0140

 82.1903, 0.2230,
0.1857

 0.0000, 0.0128,
0.0000

 107.0350, 0.2298,
0.1951

 0.0000, 0.0000,
0.0000

136.4409, 0.2358,

0.2034

170.7923, 0.2409,
0.2108

■ 12.9308, 0.1651,
0.1142

■ 12.9308, 0.1651,
0.1142

■ 12.8767, 0.1650,
0.1138

■ 15.8162, 0.1726,
0.1337

■ 19.4728, 0.1829,
0.1558

■ 23.9987, 0.1961,
0.1797

■ 29.4620, 0.2115,
0.2044

■ 35.9223, 0.2284,
0.2290

■ 43.4336, 0.2460,
0.2525

■ 52.0452, 0.2637,
0.2746

■ 61.8032, 0.2810,
0.2948

■ 72.7508, 0.2975,
0.3131

Harmonies

Analogous

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



12.9308, 0.0958, 0.1102



12.9308, 0.1651, 0.1142



12.9308, 0.3028, 0.1487

Triad

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



12.9308, 0.1651, 0.1142



12.9308, 0.6215, 0.3776



12.9308, 0.1223, 0.4703

Complementary

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



12.9308, 0.1651, 0.1142



39.9628, 0.5034, 0.4383

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.



12.9308, 0.2313, 0.6776



12.9308, 0.1651, 0.1142



12.9308, 0.5090, 0.4910

Square

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



12.9308, 0.1651, 0.1142



12.9308, 0.6325, 0.2903



12.9308, 0.3685, 0.6315



12.9308, 0.0728, 0.2420

Rectangle

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



12.9308, 0.1651, 0.1142



12.9308, 0.4329, 0.1891



12.9308, 0.3685, 0.6315



12.9308, 0.1532, 0.5616

Sweetspot

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



12.9310, 0.1651, 0.1142



61.1194, 0.2631, 0.2739



62.7620, 0.2599, 0.4556



12.1297, 0.2556, 0.2647



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.



12.9310, 0.1651, 0.1142



15.0969, 0.1648, 0.1131



6.4308, 0.1545, 0.0625



15.4511, 0.2980, 0.3136



7.2610, 0.1658, 0.1168



0.7480, 0.1735, 0.1445

Inverse Universe

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



18.6974, 0.5549, 0.2832



22.0552, 0.5565, 0.2839



73.5907, 0.3957, 0.5239



15.1451, 0.3235, 0.3204



10.2258, 0.5512, 0.2810



0.8209, 0.5132, 0.2601

Previews

White Background



This preview shows how the Yxy color 12.9308, 0.1651, 0.1142 looks on a white background.

Color Contrast Check

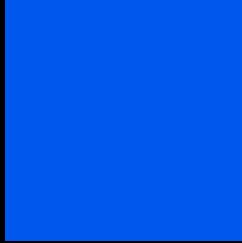
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9308, 0.1651, 0.1142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

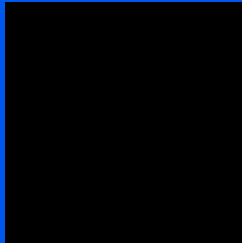
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9308, 0.1651, 0.1142

Background



This preview shows how black text looks on a background with the Yxy color 12.9308, 0.1651, 0.1142.



This preview shows how white text looks on a background with the Yxy color 12.9308, 0.1651, 0.1142.

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

12.9308, 0.1651, 0.1142

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7956, 0.1858, 0.1889



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

12.9308, 0.1651, 0.1142

Protanomaly

12.7866, 0.1705, 0.1337

Deuteranomaly

12.6266, 0.1760, 0.1536

Tritanomaly

12.0760, 0.1905, 0.2057

Monochromacy



Original Color

12.9308, 0.1651, 0.1142

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.3405, 0.2098, 0.2010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9308, 0.1651, 0.1142 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, 87, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 237)  
}
```

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, 87, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 237) }
```

Border

The CSS property to change the border of an element to Yxy 12.9308, 0.1651, 0.1142 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, 87, 237) }
```

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

```
.border{ border-color:rgb(0, 87, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 237)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9308, 0.1651, 0.1142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 237) }
```

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

```
.background{ background-color: rgb(0, 87,  
237) }
```

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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