

Converting Colors

$Yxy(11.7450, 0.1578, 0.1174)$

Have a look what the booklet for
Yxy(11.7450, 0.1578, 0.1174)
contains.

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Color

Yxy(12.4157, 0.1671, 0.1215)

Conversions

Conversions Part 1

Format	Color
Hex	0058E1
RGB	0, 88, 225
RGB Percent	0%, 35%, 88%
CMY	0.9996, 0.6548, 0.1178
CMYK	1.00, 0.61, 0.00, 0.12
HSL	217°, 100%, 44%
HSV	217°, 100%, 88%
XYZ	17.0754, 12.4157, 72.6957
YIQ	77.3060, -96.4250, 23.9510

Conversions

Conversions Part 2

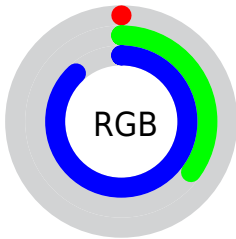
Format	Color
R _{YB}	0, 63, 225
Decimal	22753
CIE Lab	41.87, 32.69, -75.03
CIE LCh	42, 81.841, 293.545
Yxy	12.4157, 0.1671, 0.1215
Android (android.graphics.Color)	4278212833 (0xFF0058E1)
YUV	77.3060, 72.8131, -67.7974
Hunter-Lab	35.2359, 24.8387, -97.6569

Details

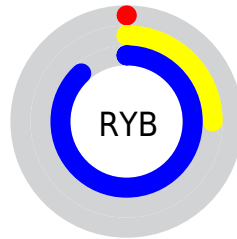
The Yxy color **12.4157, 0.1671, 0.1215** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **33.9028, 0.5105, 0.4328**, and the grayscale version is **7.3635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1755, 0.2066, 0.1767**, and **4.6285, 0.1590, 0.0924** is the 20% darker color. If you saturate the color by 10%, you get **12.4051, 0.1671, 0.1214**, and if you desaturate by 10%, it is **15.0576, 0.1746, 0.1409**.

Distribution



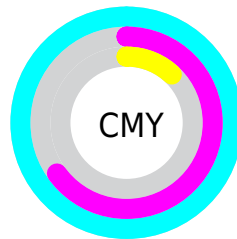
- Red (0%)
- Green (35%)
- Blue (88%)



- Red (0%)
- Yellow (25%)
- Blue (88%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (65%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4157, 0.1671, 0.1215 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 12.4157, 0.1671, 0.1215 by changing the saturation by 10% instead.


 12.4157, 0.1671,
0.1215


 12.4157, 0.1671,
0.1215


207.1382, 0.2473,
0.2240


 7.0275, 0.1470,
0.0995


 30.2500, 0.1969,
0.1567


 3.4793, 0.1222,
0.0743

 43.4648, 0.2080,
0.1707


 1.3868, 0.0921,
0.0470

 60.0573, 0.2173,
0.1828

 0.2069, 0.0579,
0.0119

 80.4118, 0.2252,
0.1932

 0.0000, 0.0000,
0.0000

 104.9128, 0.2319,
0.2024

133.9446, 0.2378,

0.2105

167.8916, 0.2429,
0.2176

■ 12.4157, 0.1671,
0.1215

■ 12.4157, 0.1671,
0.1215

■ 12.4051, 0.1671,
0.1214

■ 15.0576, 0.1746,
0.1409

■ 18.3496, 0.1848,
0.1626

■ 22.3783, 0.1976,
0.1858

■ 27.2005, 0.2127,
0.2096

■ 32.8662, 0.2291,
0.2331

■ 39.4203, 0.2464,
0.2556

■ 46.9042, 0.2638,
0.2767

■ 55.3564, 0.2809,
0.2960

■ 64.8130, 0.2973,
0.3135

Harmonies

Analogous

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



12.4157, 0.1016, 0.1196



12.4157, 0.1671, 0.1215



12.4157, 0.2951, 0.1538

Triad

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



12.4157, 0.1671, 0.1215



12.4157, 0.6102, 0.3763



12.4157, 0.1382, 0.4749

Complementary

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



12.4157, 0.1671, 0.1215



33.9028, 0.5105, 0.4328

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.



12.4157, 0.2485, 0.6554



12.4157, 0.1671, 0.1215



12.4157, 0.5145, 0.4855

Square

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



12.4157, 0.1671, 0.1215



12.4157, 0.6112, 0.2922



12.4157, 0.3841, 0.6159



12.4157, 0.0839, 0.2582

Rectangle

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



12.4157, 0.1671, 0.1215



12.4157, 0.4155, 0.1924



12.4157, 0.3841, 0.6159



12.4157, 0.1701, 0.5560

Sweetspot

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



12.4160, 0.1671, 0.1215



62.0561, 0.2634, 0.2762



55.5745, 0.2632, 0.4675



12.3488, 0.2560, 0.2674



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.



12.4160, 0.1671, 0.1215



16.2768, 0.1667, 0.1202



5.6132, 0.1529, 0.0616



14.1179, 0.2981, 0.3143



7.3634, 0.1679, 0.1243



0.6809, 0.1764, 0.1551

Inverse Universe

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



16.7068, 0.5445, 0.2773



22.1743, 0.5463, 0.2783



66.4463, 0.4017, 0.5193



13.7888, 0.3231, 0.3199



9.6514, 0.5406, 0.2752



0.6862, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 12.4157, 0.1671, 0.1215 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 12.4157, 0.1671, 0.1215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

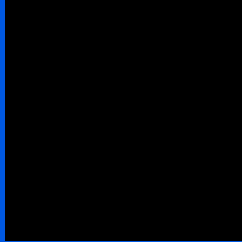
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4157, 0.1671, 0.1215

Background



This preview shows how black text looks on a background with the Yxy color 12.4157, 0.1671, 0.1215.



This preview shows how white text looks on a background with the Yxy color 12.4157, 0.1671, 0.1215.

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

12.4157, 0.1671, 0.1215

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.2859, 0.1857, 0.1886



Tritanopia

12.1982, 0.2197, 0.3108

Trichromacy



Original Color

12.4157, 0.1671, 0.1215

Protanomaly

12.3074, 0.1712, 0.1363

Deuteranomaly

12.1273, 0.1773, 0.1583

Tritanomaly

11.7077, 0.1919, 0.2109

Monochromacy



Original Color

12.4157, 0.1671, 0.1215

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.1765, 0.2124, 0.2091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4157, 0.1671, 0.1215 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, 88, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 225)  
}
```

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, 88, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 225) }
```

Border

The CSS property to change the border of an element to Yxy 12.4157, 0.1671, 0.1215 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, 88, 225) }
```

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

```
.border{ border-color:rgb(0, 88, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 225)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4157, 0.1671, 0.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 225) }
```

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

```
.background{ background-color: rgb(0, 88,  
225) }
```

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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