

Converting Colors

$Yxy(16.8716, 0.1760, 0.1340)$

Have a look what the booklet for
Yxy(16.8716, 0.1760, 0.1340)
contains.

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Color

Yxy(16.9072, 0.1760, 0.1342)

Conversions

Conversions Part 1

Format	Color
Hex	2C68F3
RGB	44, 104, 243
RGB Percent	17%, 41%, 95%
CMY	0.8268, 0.5922, 0.0470
CMYK	0.82, 0.57, 0.00, 0.05
HSL	222°, 89%, 56%
HSV	222°, 82%, 95%
XYZ	22.1734, 16.9072, 86.9045
YIQ	101.9060, -80.3790, 30.5090

Conversions

Conversions Part 2

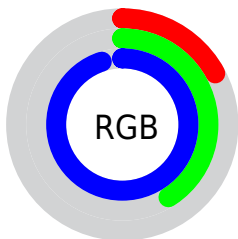
Format	Color
R_{YB}	44, 90, 243
Decimal	2910451
CIE _{Lab}	48.14, 31.32, -74.93
CIE _{LCh}	48, 81.212, 292.686
Yxy	16.9072, 0.1760, 0.1342
Android (android.graphics.Color)	4281100531 (0xFF2C68F3)
YUV	101.9060, 69.5593, -50.7836
Hunter-Lab	41.1184, 24.3003, -96.5278

Details

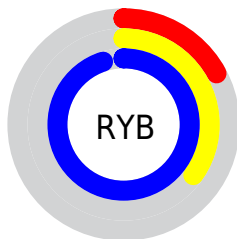
The Yxy color **16.9072, 0.1760, 0.1342** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **53.1887, 0.4634, 0.4531**, and the grayscale version is **13.1023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8736, 0.2204, 0.2026**, and **6.5713, 0.1618, 0.1025** is the 20% darker color. If you saturate the color by 10%, you get **13.4339, 0.1661, 0.1123**, and if you desaturate by 10%, it is **21.3852, 0.1892, 0.1591**.

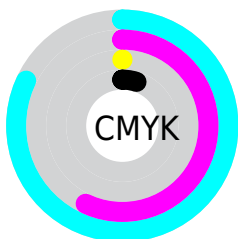
Distribution



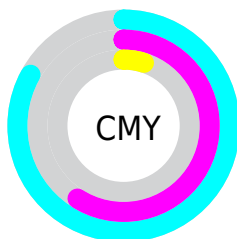
- Red (17%)
- Green (41%)
- Blue (95%)



- Red (17%)
- Yellow (35%)
- Blue (95%)



- Cyan (82%)
- Magenta (57%)
- Yellow (0%)
- Black (5%)



- Cyan (83%)
- Magenta (59%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9072, 0.1760, 0.1342 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 16.9072, 0.1760, 0.1342 by changing the saturation by 10% instead.

■ 16.9072, 0.1760,
0.1342

■ 16.9072, 0.1760,
0.1342

■ 234.6370, 0.2489,
0.2280

■ 10.1683, 0.1582,
0.1141

■ 38.1662, 0.2026,
0.1662

■ 5.5107, 0.1364,
0.0908

■ 53.4550, 0.2126,
0.1790

■ 2.5499, 0.1095,
0.0646

■ 72.3627, 0.2211,
0.1900

■ 0.9016, 0.0775,
0.0370

■ 95.2736, 0.2283,
0.1996

■ 0.0000, 0.0409,
0.0000

■ 122.5721, 0.2345,
0.2080

■ 0.0000, 0.0000,
0.0000

154.6426, 0.2399,

0.2155

191.8694, 0.2447,
0.2221

■ 16.9072, 0.1760,
0.1342

■ 16.9072, 0.1760,
0.1342

■ 13.4339, 0.1661,
0.1123

■ 21.3852, 0.1892,
0.1591

■ 11.2516, 0.1603,
0.0971

■ 26.9527, 0.2050,
0.1857

■ 33.6853, 0.2225,
0.2127

■ 41.6505, 0.2408,
0.2390

■ 50.9103, 0.2593,
0.2639

■ 61.5222, 0.2772,
0.2868

■ 73.5401, 0.2941,
0.3075

■ 87.0147, 0.3100,
0.3259

■ 99.2523, 0.3197,
0.3405

Harmonies

Analogous

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



16.9072, 0.1135, 0.1339



16.9072, 0.1760, 0.1342



16.9072, 0.2939, 0.1647

Triad

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



16.9072, 0.1760, 0.1342



16.9072, 0.5903, 0.3799



16.9072, 0.1574, 0.4653

Complementary

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



16.9072, 0.1760, 0.1342



53.1887, 0.4634, 0.4531

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.



16.9072, 0.2651, 0.6196



16.9072, 0.1760, 0.1342



16.9072, 0.5123, 0.4828

Square

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



16.9072, 0.1760, 0.1342



16.9072, 0.5821, 0.2983



16.9072, 0.3907, 0.5896



16.9072, 0.1004, 0.2726

Rectangle

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



16.9072, 0.1760, 0.1342



16.9072, 0.4018, 0.2014



16.9072, 0.3907, 0.5896



16.9072, 0.1890, 0.5337

Sweetspot

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



16.9076, 0.1760, 0.1342



64.6337, 0.2715, 0.2796



67.9495, 0.2530, 0.4158



12.9418, 0.2652, 0.2715



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.



16.9076, 0.1760, 0.1342



13.0310, 0.1615, 0.1002



10.0174, 0.1761, 0.0863



16.7394, 0.2980, 0.3120



6.3799, 0.1611, 0.0998



0.7333, 0.1678, 0.1242

Inverse Universe

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



21.8702, 0.5214, 0.2825



21.9540, 0.5751, 0.2953



77.4988, 0.3877, 0.5169



16.5646, 0.3246, 0.3219



10.7434, 0.5761, 0.2947



0.9617, 0.5407, 0.2752

Previews

White Background



This preview shows how the Yxy color 16.9072, 0.1760, 0.1342 looks on a white background.

Color Contrast Check

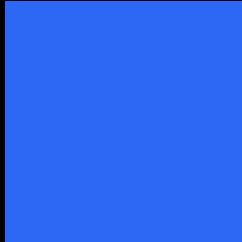
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9072, 0.1760, 0.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

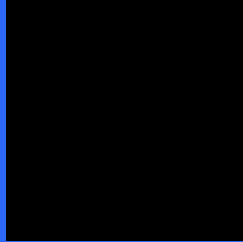
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

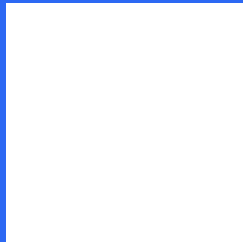
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9072, 0.1760, 0.1342

Background



This preview shows how black text looks on a background with the Yxy color 16.9072, 0.1760, 0.1342.



This preview shows how white text looks on a background with the Yxy color 16.9072, 0.1760, 0.1342.

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

16.9072, 0.1760, 0.1342

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.6143, 0.1849, 0.1856



Tritanopia

16.6429, 0.2197, 0.3108

Trichromacy



Original Color

16.9072, 0.1760, 0.1342

Protanomaly

16.6817, 0.1735, 0.1404

Deuteranomaly

16.6048, 0.1802, 0.1637

Tritanomaly

16.1230, 0.1967, 0.2213

Monochromacy



Original Color

16.9072, 0.1760, 0.1342

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7497, 0.2340, 0.2299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9072, 0.1760, 0.1342 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(44, 104, 243)` looks like.

```
.text, #text, p{  
  color:rgb(44, 104, 243)  
}
```

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(44, 104, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 104, 243) }
```

Border

The CSS property to change the border of an element to Yxy 16.9072, 0.1760, 0.1342 is called "border". The border property can be set on classes, ids or directly on the HTML element.

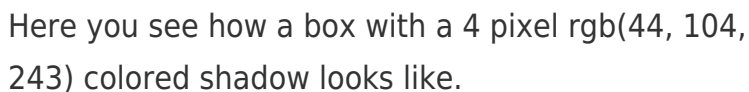
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(44, 104, 243) }
```

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

```
.border{ border-color:rgb(44, 104, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(44, 104, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 104, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 104, 243);  
box-shadow:4px 4px 4px 4px rgb(44, 104,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9072, 0.1760, 0.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 104, 243) }
```

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

```
.background{ background-color: rgb(44, 104,  
243) }
```

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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