

Converting Colors

$Yxy(16.1403, 0.1674, 0.1193)$

Have a look what the booklet for
Yxy(16.1403, 0.1674, 0.1193)
contains.

Yxy(16.0569, 0.1673, 0.1188)	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(16.0569, 0.1673, 0.1188)

Conversions

Conversions Part 1

Format	Color
Hex	0F62FF
RGB	15, 98, 255
RGB Percent	6%, 38%, 100%
CMY	0.9405, 0.6157, 0.0001
CMYK	0.94, 0.62, 0.00, 0.00
HSL	219°, 100%, 53%
HSV	219°, 94%, 100%
XYZ	22.6121, 16.0569, 96.4901
YIQ	91.0810, -99.8650, 31.2310

Conversions

Conversions Part 2

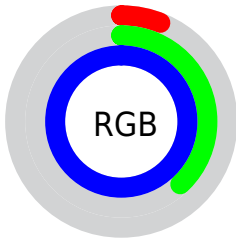
Format	Color
R_{YB}	15, 77, 255
Decimal	1008383
CIE _{Lab}	47.05, 38.05, -83.40
CIE _{LCh}	47, 91.670, 294.526
Yxy	16.0569, 0.1673, 0.1188
Android (android.graphics.Color)	4279198463 (0xFF0F62FF)
YUV	91.0810, 80.8121, -66.7230
Hunter-Lab	40.0711, 30.6033, -114.7190

Details

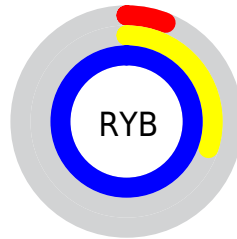
The Yxy color **16.0569, 0.1673, 0.1188** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **50.8442, 0.4910, 0.4450**, and the grayscale version is **10.3232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1817, 0.2153, 0.1926**, and **6.5774, 0.1589, 0.0921** is the 20% darker color. If you saturate the color by 10%, you get **14.2105, 0.1633, 0.1077**, and if you desaturate by 10%, it is **19.8743, 0.1763, 0.1399**.

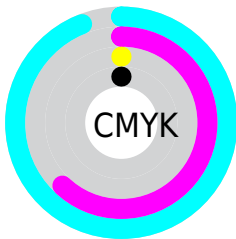
Distribution



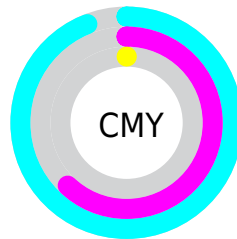
- Red (6%)
- Green (38%)
- Blue (100%)



- Red (6%)
- Yellow (30%)
- Blue (100%)



- Cyan (94%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (94%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0569, 0.1673, 0.1188 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 16.0569, 0.1673, 0.1188 by changing the saturation by 10% instead.


 16.0569, 0.1673,
0.1188


 16.0569, 0.1673,
0.1188


229.6772, 0.2441,
0.2171


 9.5644, 0.1491,
0.0988


 36.6970, 0.1949,
0.1515

 5.1111, 0.1271,
0.0764


 51.6133, 0.2055,
0.1647


 2.3126, 0.1006,
0.0520

 70.1065, 0.2145,
0.1763

 0.7804, 0.0700,
0.0277

 92.5607, 0.2222,
0.1865

 0.0000, 0.0369,
0.0000

 119.3606, 0.2288,
0.1955

 0.0000, 0.0000,
0.0000

150.8903, 0.2346,

0.2035

187.5344, 0.2397,
0.2107

■ 16.0569, 0.1673,
0.1188

■ 16.0569, 0.1673,
0.1188

■ 14.2105, 0.1633,
0.1077

■ 19.8743, 0.1763,
0.1399

■ 24.7175, 0.1885,
0.1636

■ 30.6781, 0.2033,
0.1888

■ 37.8348, 0.2199,
0.2144

■ 46.2577, 0.2376,
0.2393

■ 56.0111, 0.2557,
0.2630

■ 67.1541, 0.2734,
0.2848

■ 79.7423, 0.2905,
0.3047

■ 93.8278, 0.3065,
0.3224

Harmonies

Analogous

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



16.0569, 0.0997, 0.1158



16.0569, 0.1673, 0.1188



16.0569, 0.2998, 0.1523

Triad

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



16.0569, 0.1673, 0.1188



16.0569, 0.6125, 0.3769



16.0569, 0.1311, 0.4706

Complementary

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



16.0569, 0.1673, 0.1188



50.8442, 0.4910, 0.4450

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.



16.0569, 0.2405, 0.6633



16.0569, 0.1673, 0.1188



16.0569, 0.5111, 0.4889

Square

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



16.0569, 0.1673, 0.1188



16.0569, 0.6202, 0.2924



16.0569, 0.3768, 0.6232



16.0569, 0.0792, 0.2503

Rectangle

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



16.0569, 0.1673, 0.1188



16.0569, 0.4242, 0.1918



16.0569, 0.3768, 0.6232



16.0569, 0.1624, 0.5558

Sweetspot

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



16.0572, 0.1673, 0.1188



62.6020, 0.2665, 0.2764



74.5460, 0.2570, 0.4424



12.3845, 0.2588, 0.2669



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.



16.0572, 0.1673, 0.1188



14.2140, 0.1633, 0.1077



8.2717, 0.1593, 0.0672



18.4037, 0.2979, 0.3130



7.6768, 0.1641, 0.1107



0.9420, 0.1703, 0.1331

Inverse Universe

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



22.4827, 0.5472, 0.2821



21.9661, 0.5644, 0.2883



86.5963, 0.3933, 0.5236



18.0907, 0.3240, 0.3208



11.5029, 0.5601, 0.2859



1.1396, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 16.0569, 0.1673, 0.1188 looks on a white background.

Color Contrast Check

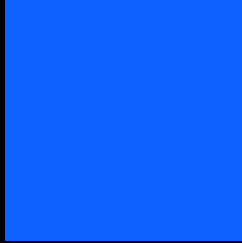
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0569, 0.1673, 0.1188 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

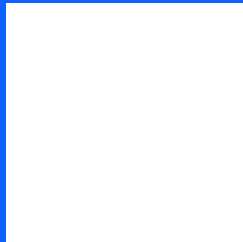
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0569, 0.1673, 0.1188

Background



This preview shows how black text looks on a background with the Yxy color 16.0569, 0.1673, 0.1188.



This preview shows how white text looks on a background with the Yxy color 16.0569, 0.1673, 0.1188.

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

16.0569, 0.1673, 0.1188

Protanopia

15.9516, 0.1743, 0.1475

Deuteranopia

15.8849, 0.1857, 0.1886



Tritanopia

15.7776, 0.2202, 0.3126

Trichromacy



Original Color

16.0569, 0.1673, 0.1188

Protanomaly

15.9955, 0.1716, 0.1361

Deuteranomaly

15.7217, 0.1772, 0.1563

Tritanomaly

15.1685, 0.1927, 0.2114

Monochromacy



Original Color

16.0569, 0.1673, 0.1188

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2965, 0.2164, 0.2100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0569, 0.1673, 0.1188 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(15, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 98, 255)  
}
```

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(15, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.0569, 0.1673, 0.1188 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(15, 98, 255) }
```

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

```
.border{ border-color:rgb(15, 98, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 98, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 98,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0569, 0.1673, 0.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 98, 255) }
```

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

```
.background{ background-color: rgb(15, 98,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor