

Converting Colors

$Y_{xy}(15.4450, 0.1751, 0.1277)$

Have a look what the booklet for
Yxy(15.4450, 0.1751, 0.1277)
contains.

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Color

Yxy(15.4450, 0.1751, 0.1277)

Conversions

Conversions Part 1

Format	Color
Hex	2F61F0
RGB	47, 97, 240
RGB Percent	18%, 38%, 94%
CMY	0.8157, 0.6196, 0.0587
CMYK	0.80, 0.60, 0.00, 0.06
HSL	224°, 87%, 56%
HSV	224°, 80%, 94%
XYZ	21.1779, 15.4450, 84.3246
YIQ	98.3520, -75.7030, 33.8730

Conversions

Conversions Part 2

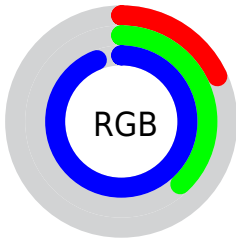
Format	Color
R _Y B	47, 87, 240
Decimal	3105264
CIE Lab	46.24, 34.86, -76.36
CIE LCh	46, 83.939, 294.536
Yxy	15.4450, 0.1751, 0.1277
Android (android.graphics.Color)	4281295344 (0xFF2F61F0)
YUV	98.3520, 69.8325, -45.0357
Hunter-Lab	39.3001, 27.4142, -99.7060

Details

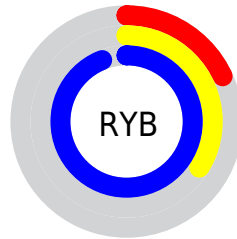
The Yxy color **15.4450, 0.1751, 0.1277** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed azure. A complement of this color would be **55.5787, 0.4536, 0.4594**, and the grayscale version is **12.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3725, 0.2189, 0.1926**, and **5.8749, 0.1601, 0.0962** is the 20% darker color. If you saturate the color by 10%, you get **12.0968, 0.1646, 0.1054**, and if you desaturate by 10%, it is **19.8439, 0.1890, 0.1535**.

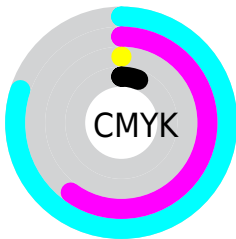
Distribution



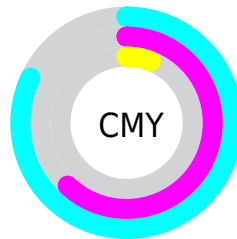
- Red (18%)
- Green (38%)
- Blue (94%)



- Red (18%)
- Yellow (34%)
- Blue (94%)



- Cyan (80%)
- Magenta (60%)
- Yellow (0%)
- Black (6%)




- Cyan (82%)
- Magenta (62%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4450, 0.1751, 0.1277 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 15.4450, 0.1751, 0.1277 by changing the saturation by 10% instead.


 15.4450, 0.1751,
0.1277


 15.4450, 0.1751,
0.1277


226.0441, 0.2493,
0.2246


 9.1323, 0.1568,
0.1071


 35.6320, 0.2023,
0.1606


 4.8276, 0.1343,
0.0836


 50.2750, 0.2126,
0.1738


 2.1464, 0.1068,
0.0574

 68.4636, 0.2212,
0.1852

 0.6906, 0.0741,
0.0301

 90.5822, 0.2285,
0.1951

 0.0000, 0.0349,
0.0000

 117.0152, 0.2348,
0.2039

 0.0000, 0.0000,
0.0000

148.1469, 0.2403,

0.2116

184.3617, 0.2451,
0.2185

■ 15.4450, 0.1751,
0.1277

■ 15.4450, 0.1751,
0.1277

■ 12.0968, 0.1646,
0.1054

■ 19.8439, 0.1890,
0.1535

■ 9.7560, 0.1578,
0.0882

■ 25.3826, 0.2056,
0.1813

■ 32.1409, 0.2238,
0.2097

■ 40.1902, 0.2427,
0.2373

■ 49.5964, 0.2614,
0.2635

■ 60.4205, 0.2795,
0.2875

■ 72.7196, 0.2964,
0.3091

■ 86.5477, 0.3121,
0.3283

■ 99.0729, 0.3214,
0.3434

Harmonies

Analogous

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



15.4450, 0.1086, 0.1251



15.4450, 0.1751, 0.1277



15.4450, 0.3017, 0.1607

Triad

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



15.4450, 0.1751, 0.1277



15.4450, 0.5986, 0.3818



15.4450, 0.1427, 0.4601

Complementary

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



15.4450, 0.1751, 0.1277



55.5787, 0.4536, 0.4594

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.



15.4450, 0.2504, 0.6367



15.4450, 0.1751, 0.1277



15.4450, 0.5093, 0.4907

Square

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



15.4450, 0.1751, 0.1277



15.4450, 0.6015, 0.2985



15.4450, 0.3814, 0.6093



15.4450, 0.0897, 0.2577

Rectangle

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



15.4450, 0.1751, 0.1277



15.4450, 0.4177, 0.1993



15.4450, 0.3814, 0.6093



15.4450, 0.1738, 0.5366

Sweetspot

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



15.4454, 0.1751, 0.1277



64.5833, 0.2730, 0.2789



66.5960, 0.2489, 0.3997



12.8792, 0.2665, 0.2703



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.



15.4454, 0.1751, 0.1277



11.8666, 0.1596, 0.0926



10.6036, 0.1838, 0.0921



15.8942, 0.2980, 0.3110



5.5212, 0.1585, 0.0907



0.6150, 0.1654, 0.1156

Inverse Universe

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



21.4263, 0.5292, 0.2898



21.8902, 0.5865, 0.3022



74.1427, 0.3803, 0.5204



15.8260, 0.3252, 0.3229



10.3507, 0.5900, 0.3024



0.8768, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 15.4450, 0.1751, 0.1277 looks on a white background.

Color Contrast Check

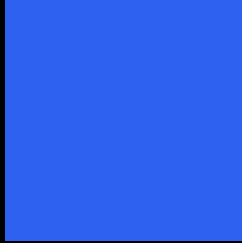
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4450, 0.1751, 0.1277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

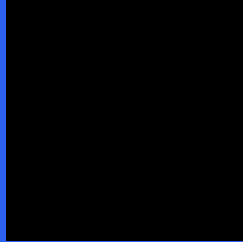
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4450, 0.1751, 0.1277

Background



This preview shows how black text looks on a background with the Yxy color 15.4450, 0.1751, 0.1277.



This preview shows how white text looks on a background with the Yxy color 15.4450, 0.1751, 0.1277.

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

15.4450, 0.1751, 0.1277

Protanopia

15.3771, 0.1741, 0.1468

Deuteranopia

15.3499, 0.1853, 0.1872



Tritanopia

15.2333, 0.2201, 0.3124

Trichromacy



Original Color

15.4450, 0.1751, 0.1277

Protanomaly

15.2791, 0.1731, 0.1383

Deuteranomaly

15.2380, 0.1797, 0.1611

Tritanomaly

14.5721, 0.1956, 0.2162

Monochromacy



Original Color

15.4450, 0.1751, 0.1277

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5996, 0.2327, 0.2238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4450, 0.1751, 0.1277 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(47, 97, 240)` looks like.

```
.text, #text, p{  
  color:rgb(47, 97, 240)  
}
```

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(47, 97, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 97, 240) }
```

Border

The CSS property to change the border of an element to Yxy 15.4450, 0.1751, 0.1277 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(47, 97, 240) }
```

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

```
.border{ border-color:rgb(47, 97, 240) }
```

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

Here you see how a box with a 4 pixel rgb(47, 97, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 97, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 97, 240);  
box-shadow:4px 4px 4px 4px rgb(47, 97,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4450, 0.1751, 0.1277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 97, 240) }
```

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

```
.background{ background-color: rgb(47, 97,  
240) }
```

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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