

Converting Colors

$Yxy(14.1525, 0.1682, 0.1225)$

Have a look what the booklet for
Yxy(14.1525, 0.1682, 0.1225)
contains.

Yxy(14.1980, 0.1684, 0.1230)	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(14.1980, 0.1684, 0.1230)

Conversions

Conversions Part 1

Format	Color
Hex	0C5EED
RGB	12, 94, 237
RGB Percent	5%, 37%, 93%
CMY	0.9510, 0.6314, 0.0708
CMYK	0.95, 0.60, 0.00, 0.07
HSL	218°, 90%, 49%
HSV	218°, 95%, 93%
XYZ	19.4386, 14.1980, 81.7943
YIQ	85.7840, -94.7750, 27.0890

Conversions

Conversions Part 2

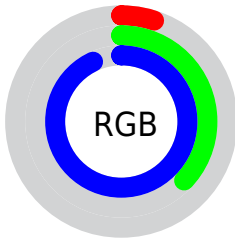
Format	Color
R _Y B	12, 72, 237
Decimal	810733
CIE Lab	44.52, 33.74, -77.47
CIE LCh	45, 84.502, 293.535
Yxy	14.1980, 0.1684, 0.1230
Android (android.graphics.Color)	4279000813 (0xFF0C5EED)
YUV	85.7840, 74.5495, -64.7086
Hunter-Lab	37.6802, 26.1446, -102.3275

Details

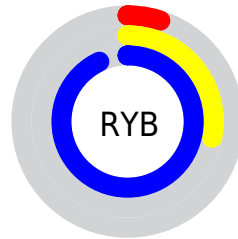
The Yxy color **14.1980, 0.1684, 0.1230** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **41.6138, 0.4959, 0.4412**, and the grayscale version is **9.1444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5460, 0.2111, 0.1865**, and **5.5765, 0.1597, 0.0950** is the 20% darker color. If you saturate the color by 10%, you get **12.7730, 0.1648, 0.1131**, and if you desaturate by 10%, it is **17.4462, 0.1772, 0.1439**.

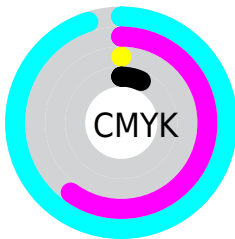
Distribution



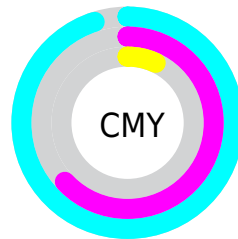
- Red (5%)
- Green (37%)
- Blue (93%)



- Red (5%)
- Yellow (28%)
- Blue (93%)



- Cyan (95%)
- Magenta (60%)
- Yellow (0%)
- Black (7%)



- Cyan (95%)
- Magenta (63%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.1980, 0.1684, 0.1230 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 14.1980, 0.1684, 0.1230 by changing the saturation by 10% instead.

■ 14.1980, 0.1684,
0.1230

■ 14.1980, 0.1684,
0.1230

■ 218.4591, 0.2464,
0.2227

■ 8.2585, 0.1493,
0.1019

■ 33.4399, 0.1970,
0.1569

■ 4.2608, 0.1259,
0.0779

■ 47.5112, 0.2078,
0.1704

■ 1.8205, 0.0975,
0.0517

■ 65.0618, 0.2168,
0.1822

■ 0.4999, 0.0647,
0.0233

■ 86.4761, 0.2246,
0.1924

■ 0.0000, 0.0203,
0.0000

■ 112.1387, 0.2312,
0.2014

■ 0.0000, 0.0000,
0.0000

142.4337, 0.2370,

0.2093

177.7458, 0.2420,
0.2164

■ 14.1980, 0.1684,
0.1230

■ 14.1980, 0.1684,
0.1230

■ 12.7730, 0.1648,
0.1131

■ 17.4462, 0.1772,
0.1439

■ 21.5290, 0.1891,
0.1671

■ 26.5207, 0.2035,
0.1916

■ 32.4850, 0.2198,
0.2164

■ 39.4787, 0.2372,
0.2407

■ 47.5537, 0.2549,
0.2636

■ 56.7579, 0.2725,
0.2849

■ 67.1359, 0.2895,
0.3042

■ 78.7301, 0.3055,
0.3215

Harmonies

Analogous

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



14.1980, 0.1030, 0.1212



14.1980, 0.1684, 0.1230



14.1980, 0.2955, 0.1552

Triad

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



14.1980, 0.1684, 0.1230



14.1980, 0.6071, 0.3766



14.1980, 0.1402, 0.4731

Complementary

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



14.1980, 0.1684, 0.1230



41.6138, 0.4959, 0.4412

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.



14.1980, 0.2502, 0.6509



14.1980, 0.1684, 0.1230



14.1980, 0.5142, 0.4858

Square

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



14.1980, 0.1684, 0.1230



14.1980, 0.6080, 0.2932



14.1980, 0.3855, 0.6145



14.1980, 0.0857, 0.2595

Rectangle

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



14.1980, 0.1684, 0.1230



14.1980, 0.4144, 0.1936



14.1980, 0.3855, 0.6145



14.1980, 0.1721, 0.5527

Sweetspot

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



14.1983, 0.1684, 0.1230



63.2208, 0.2666, 0.2779



62.9732, 0.2587, 0.4486



12.5306, 0.2590, 0.2687



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.



14.1983, 0.1684, 0.1230



14.9778, 0.1646, 0.1124



6.8877, 0.1578, 0.0663



15.4444, 0.2980, 0.3136



7.2047, 0.1656, 0.1161



0.7431, 0.1733, 0.1437

Inverse Universe

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



19.0784, 0.5414, 0.2787



22.0432, 0.5575, 0.2845



73.8325, 0.3961, 0.5215



15.1445, 0.3236, 0.3205



10.2201, 0.5522, 0.2816



0.8204, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 14.1980, 0.1684, 0.1230 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 14.1980, 0.1684, 0.1230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

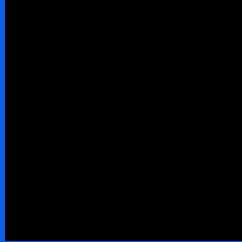
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1980, 0.1684, 0.1230

Background



This preview shows how black text looks on a background with the Yxy color 14.1980, 0.1684, 0.1230.



This preview shows how white text looks on a background with the Yxy color 14.1980, 0.1684, 0.1230.

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

14.1980, 0.1684, 0.1230

Protanopia

14.1115, 0.1744, 0.1477

Deuteranopia

13.9343, 0.1853, 0.1870



Tritanopia

13.9208, 0.2199, 0.3118

Trichromacy



Original Color

14.1980, 0.1684, 0.1230

Protanomaly

14.0416, 0.1718, 0.1369

Deuteranomaly

13.8468, 0.1776, 0.1577

Tritanomaly

13.4377, 0.1936, 0.2145

Monochromacy



Original Color

14.1980, 0.1684, 0.1230

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.9977, 0.2177, 0.2137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1980, 0.1684, 0.1230 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(12, 94, 237)` looks like.

```
.text, #text, p{  
    color:rgb(12, 94, 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(12, 94, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 94, 237) }
```

Border

The CSS property to change the border of an element to Yxy 14.1980, 0.1684, 0.1230 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(12, 94, 237) }
```

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

```
.border{ border-color:rgb(12, 94, 237) }
```

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

Here you see how a box with a 4 pixel rgb(12, 94, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 94, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 94, 237);  
box-shadow:4px 4px 4px 4px rgb(12, 94,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1980, 0.1684, 0.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 94, 237) }
```

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

```
.background{ background-color: rgb(12, 94,  
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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