

Converting Colors

$Yxy(24.3342, 0.1794, 0.1634)$

Have a look what the booklet for
Yxy(24.3342, 0.1794, 0.1634)
contains.

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Color

Yxy(24.3484, 0.1794, 0.1634)

Conversions

Conversions Part 1

Format	Color
Hex	0C86FF
RGB	12, 134, 255
RGB Percent	5%, 53%, 100%
CMY	0.9523, 0.4746, 0.0000
CMYK	0.95, 0.47, 0.00, 0.00
HSL	210°, 100%, 52%
HSV	210°, 95%, 100%
XYZ	26.7326, 24.3484, 97.9300
YIQ	111.3160, -111.5530, 11.7670

Conversions

Conversions Part 2

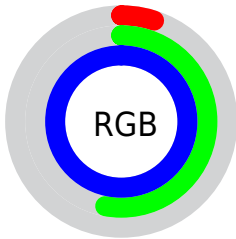
Format	Color
R_{YB}	12, 93, 255
Decimal	820991
CIE _{Lab}	56.43, 15.38, -68.17
CIE _{LCh}	56, 69.880, 282.711
Yxy	24.3484, 0.1794, 0.1634
Android (android.graphics.Color)	4279011071 (0xFF0C86FF)
YUV	111.3160, 70.8362, -87.1001
Hunter-Lab	49.3441, 10.3517, -83.1282

Details

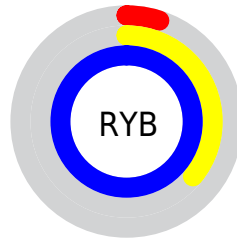
The Yxy color **24.3484, 0.1794, 0.1634** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **38.1105, 0.5351, 0.4102**, and the grayscale version is **15.8210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9152, 0.2243, 0.2421**, and **10.6868, 0.1713, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **22.6392, 0.1764, 0.1550**, and if you desaturate by 10%, it is **28.3990, 0.1871, 0.1818**.

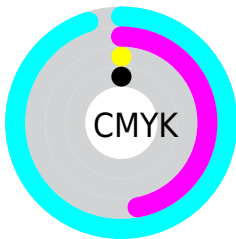
Distribution



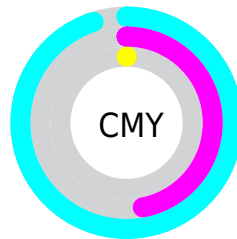
- Red (5%)
- Green (53%)
- Blue (100%)



- Red (5%)
- Yellow (36%)
- Blue (100%)



- Cyan (95%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3484, 0.1794, 0.1634 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 24.3484, 0.1794, 0.1634 by changing the saturation by 10% instead.


 24.3484, 0.1794,
0.1634


 24.3484, 0.1794,
0.1634


274.5772, 0.2470,
0.2435


 15.5923, 0.1635,
0.1456


 50.5981, 0.2035,
0.1911

 9.2361, 0.1441,
0.1245


 68.8605, 0.2127,
0.2019


 4.8955, 0.1204,
0.0994

 91.0605, 0.2206,
0.2113

 2.1861, 0.0916,
0.0704

 117.5824, 0.2273,
0.2194

 0.7124, 0.0582,
0.0387

 148.8106, 0.2332,
0.2266

 0.0000, 0.0000,
0.0000

185.1295, 0.2384,

 0.0000, 0.0000,

0.2329

0.0000

226.9236, 0.2429,
0.2385

■ 24.3484, 0.1794,
0.1634

■ 24.3484, 0.1794,
0.1634

■ 22.6392, 0.1764,
0.1550

■ 28.3990, 0.1871,
0.1818

■ 33.2177, 0.1973,
0.2012

■ 38.8748, 0.2098,
0.2209

■ 45.4307, 0.2240,
0.2405

■ 52.9383, 0.2396,
0.2594

■ 61.4457, 0.2559,
0.2772

■ 70.9968, 0.2724,
0.2938

■ 81.6327, 0.2887,
0.3089

■ 93.3918, 0.3047,
0.3225

Harmonies

Analogous

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



24.3484, 0.1355, 0.1753



24.3484, 0.1794, 0.1634



24.3484, 0.2635, 0.1814

Triad

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



24.3484, 0.1794, 0.1634



24.3484, 0.5436, 0.3622



24.3484, 0.2208, 0.4778

Complementary

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



24.3484, 0.1794, 0.1634



38.1105, 0.5351, 0.4102

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.



24.3484, 0.3218, 0.5548



24.3484, 0.1794, 0.1634



24.3484, 0.5095, 0.4419

Square

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



24.3484, 0.1794, 0.1634



24.3484, 0.4978, 0.2896



24.3484, 0.4257, 0.5211



24.3484, 0.1515, 0.3337

Rectangle

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



24.3484, 0.1794, 0.1634



24.3484, 0.3414, 0.2084



24.3484, 0.4257, 0.5211



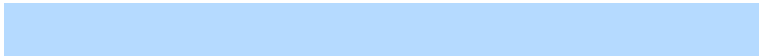
24.3484, 0.2524, 0.5165

Sweetspot

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



24.3466, 0.1794, 0.1634



67.2698, 0.2661, 0.2877



73.1986, 0.2732, 0.5010



13.5353, 0.2591, 0.2806



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.



24.3466, 0.1794, 0.1634



22.6392, 0.1764, 0.1550



7.6763, 0.1518, 0.0633



18.8836, 0.2979, 0.3168



12.1283, 0.1772, 0.1579



1.3994, 0.1829, 0.1785

Inverse Universe

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



23.2479, 0.4882, 0.2485



22.8166, 0.4994, 0.2525



90.2518, 0.4215, 0.5019



18.1391, 0.3215, 0.3171



11.9523, 0.4957, 0.2505



1.1858, 0.4704, 0.2365

Previews

White Background



This preview shows how the Yxy color 24.3484, 0.1794, 0.1634 looks on a white background.

Color Contrast Check

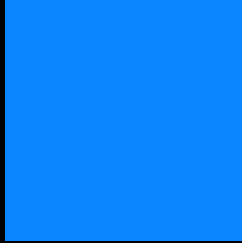
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.3484, 0.1794, 0.1634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

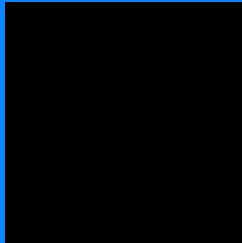
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

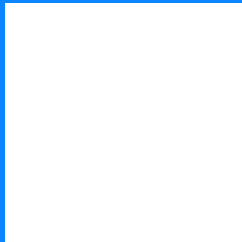
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3484, 0.1794, 0.1634

Background



This preview shows how black text looks on a background with the Yxy color 24.3484, 0.1794, 0.1634.



This preview shows how white text looks on a background with the Yxy color 24.3484, 0.1794, 0.1634.

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

24.3484, 0.1794, 0.1634

Protanopia

24.2324, 0.1904, 0.1653

Deuteranopia

24.1826, 0.1832, 0.1796

Trichromacy



Original Color

24.3484, 0.1794, 0.1634

Protanomaly

23.9138, 0.1844, 0.1636

Deuteranomaly

24.2267, 0.1819, 0.1739

Monochromacy



Original Color

24.3484, 0.1794, 0.1634

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.3339, 0.2282, 0.2456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3484, 0.1794, 0.1634 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, 134, 255)` looks like.

```
.text, #text, p{  
  color:rgb(12, 134, 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(12, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.3484, 0.1794, 0.1634 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, 134, 255) }
```

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

```
.border{ border-color:rgb(12, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 134,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 24.3484, 0.1794, 0.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 134, 255) }
```

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

```
.background{ background-color: rgb(12, 134,  
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](#).

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