

Converting Colors

$Yxy(16.8894, 0.0974, 0.1387)$

Have a look what the booklet for
Yxy(16.8894, 0.0974, 0.1387)
contains.

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Color

Yxy(24.2301, 0.1801, 0.1684)

Conversions

Conversions Part 1

Format	Color
Hex	0087FA
RGB	0, 135, 250
RGB Percent	0%, 53%, 98%
CMY	1.0000, 0.4705, 0.0197
CMYK	1.00, 0.46, 0.00, 0.02
HSL	208°, 100%, 49%
HSV	208°, 100%, 98%
XYZ	25.9135, 24.2301, 93.7406
YIQ	107.7450, -117.3750, 7.1450

Conversions

Conversions Part 2

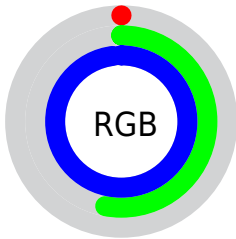
Format	Color
R _Y B	0, 88, 250
Decimal	34810
CIE Lab	56.32, 12.50, -65.58
CIE LCh	56, 66.758, 280.793
Yxy	24.2301, 0.1801, 0.1684
Android (android.graphics.Color)	4278224890 (0xFF0087FA)
YUV	107.7450, 70.1317, -94.4924
Hunter-Lab	49.2241, 7.8275, -78.4529

Details

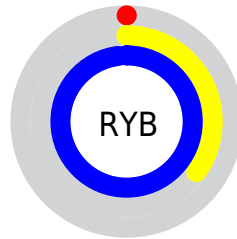
The Yxy color **24.2301, 0.1801, 0.1684** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **32.5761, 0.5554, 0.3972**, and the grayscale version is **14.7484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5659, 0.2236, 0.2444**, and **10.5058, 0.1721, 0.1396** is the 20% darker color. If you saturate the color by 10%, you get **24.2329, 0.1801, 0.1684**, and if you desaturate by 10%, it is **27.8234, 0.1865, 0.1853**.

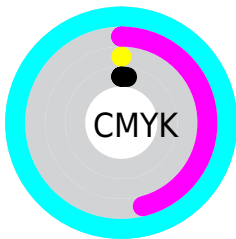
Distribution



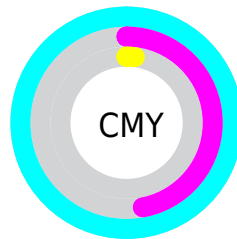
- Red (0%)
- Green (53%)
- Blue (98%)



- Red (0%)
- Yellow (35%)
- Blue (98%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (47%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2301, 0.1801, 0.1684 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 24.2301, 0.1801, 0.1684 by changing the saturation by 10% instead.


 24.2301, 0.1801,
0.1684


 24.2301, 0.1801,
0.1684


273.9817, 0.2475,
0.2469


 15.5044, 0.1642,
0.1507


 50.4054, 0.2042,
0.1958


 9.1741, 0.1446,
0.1294


 68.6238, 0.2134,
0.2064

 4.8549, 0.1206,
0.1040

 90.7753, 0.2212,
0.2156

 2.1624, 0.0914,
0.0743

 117.2442, 0.2280,
0.2236

 0.6994, 0.0574,
0.0411

 148.4148, 0.2338,
0.2305

 0.0000, 0.0000,
0.0000

184.6717, 0.2390,

0.2366

226.3992, 0.2435,
0.2421

■ 24.2301, 0.1801,
0.1684

■ 24.2301, 0.1801,
0.1684

■ 24.2329, 0.1801,
0.1684

■ 27.8234, 0.1865,
0.1853

■ 32.0356, 0.1951,
0.2030

■ 36.9611, 0.2060,
0.2211

■ 42.6588, 0.2189,
0.2393

■ 49.1795, 0.2334,
0.2569

■ 56.5684, 0.2489,
0.2738

■ 64.8665, 0.2649,
0.2895

■ 74.1119, 0.2811,
0.3040

■ 84.3400, 0.2972,
0.3172

Harmonies

Analogous

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



24.2301, 0.1393, 0.1825



24.2301, 0.1801, 0.1684



24.2301, 0.2593, 0.1842

Triad

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



24.2301, 0.1801, 0.1684



24.2301, 0.5345, 0.3583



24.2301, 0.2307, 0.4781

Complementary

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



24.2301, 0.1801, 0.1684



32.5761, 0.5554, 0.3972

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.



24.2301, 0.3298, 0.5454



24.2301, 0.1801, 0.1684



24.2301, 0.5075, 0.4353

Square

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



24.2301, 0.1801, 0.1684



24.2301, 0.4845, 0.2875



24.2301, 0.4296, 0.5111



24.2301, 0.1604, 0.3427

Rectangle

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



24.2301, 0.1801, 0.1684



24.2301, 0.3329, 0.2095



24.2301, 0.4296, 0.5111



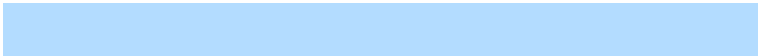
24.2301, 0.2620, 0.5129

Sweetspot

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



24.2329, 0.1801, 0.1684



67.8344, 0.2649, 0.2895



69.5427, 0.2779, 0.5205



13.7100, 0.2581, 0.2830



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.



24.2329, 0.1801, 0.1684



25.3173, 0.1801, 0.1682



7.1764, 0.1506, 0.0622



18.1962, 0.2980, 0.3178



13.1470, 0.1809, 0.1711



1.4298, 0.1865, 0.1914

Inverse Universe

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



22.0709, 0.4826, 0.2432



23.0869, 0.4828, 0.2433



81.1712, 0.4285, 0.4980



17.3820, 0.3209, 0.3163



11.7381, 0.4793, 0.2414



1.1086, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 24.2301, 0.1801, 0.1684 looks on a white background.

Color Contrast Check

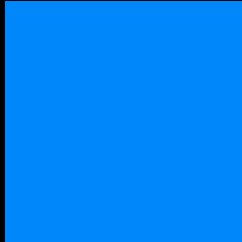
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2301, 0.1801, 0.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

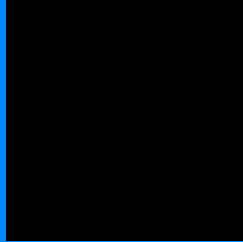
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

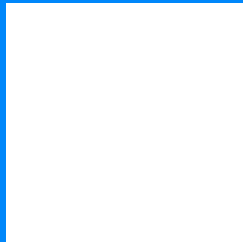
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2301, 0.1801, 0.1684

Background



This preview shows how black text looks on a background with the Yxy color 24.2301, 0.1801, 0.1684.



This preview shows how white text looks on a background with the Yxy color 24.2301, 0.1801, 0.1684.

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

24.2301, 0.1801, 0.1684

Protanopia

24.1356, 0.1949, 0.1709

Deuteranopia

24.2422, 0.1830, 0.1787



Tritanopia

23.9981, 0.2193, 0.3095

Trichromacy



Original Color

24.2301, 0.1801, 0.1684

Protanomaly

23.8709, 0.1861, 0.1688

Deuteranomaly

24.1400, 0.1819, 0.1747

Tritanomaly

23.7523, 0.2016, 0.2457

Monochromacy



Original Color

24.2301, 0.1801, 0.1684

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.7601, 0.2256, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2301, 0.1801, 0.1684 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(0, 135, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 250)  
}
```

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(0, 135, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 250) }
```

Border

The CSS property to change the border of an element to Yxy 24.2301, 0.1801, 0.1684 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(0, 135, 250) }
```

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

```
.border{ border-color:rgb(0, 135, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2301, 0.1801, 0.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 250) }
```

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

```
.background{ background-color: rgb(0, 135,  
250) }
```

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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