

Converting Colors

$Yxy(24.7984, 0.1850, 0.1647)$

Have a look what the booklet for
Yxy(24.7984, 0.1850, 0.1647)
contains.

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Color

Yxy(24.6989, 0.1848, 0.1642)

Conversions

Conversions Part 1

Format	Color
Hex	3385FF
RGB	51, 133, 255
RGB Percent	20%, 52%, 100%
CMY	0.8007, 0.4784, 0.0000
CMYK	0.80, 0.48, 0.00, 0.00
HSL	216°, 100%, 60%
HSV	216°, 80%, 100%
XYZ	27.7975, 24.6989, 97.9232
YIQ	122.3900, -88.0340, 20.5580

Conversions

Conversions Part 2

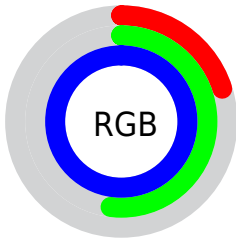
Format	Color
R _Y B	51, 109, 255
Decimal	3376639
CIE Lab	56.78, 18.18, -67.57
CIE LCh	57, 69.969, 285.058
Yxy	24.6989, 0.1848, 0.1642
Android (android.graphics.Color)	4281566719 (0xFF3385FF)
YUV	122.3900, 65.3767, -62.6090
Hunter-Lab	49.6980, 12.8688, -82.0343

Details

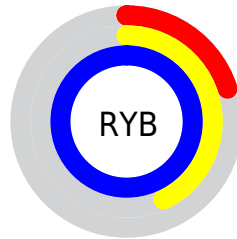
The Yxy color **24.6989, 0.1848, 0.1642** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **51.3115, 0.4805, 0.4346**, and the grayscale version is **19.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5071, 0.2307, 0.2422**, and **10.5282, 0.1708, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **20.3360, 0.1749, 0.1427**, and if you desaturate by 10%, it is **30.0283, 0.1975, 0.1872**.

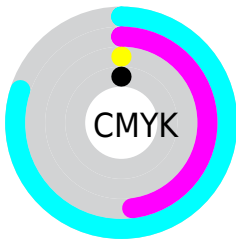
Distribution



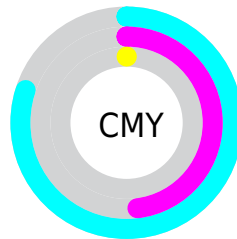
- Red (20%)
- Green (52%)
- Blue (100%)



- Red (20%)
- Yellow (43%)
- Blue (100%)



- Cyan (80%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6989, 0.1848, 0.1642 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 24.6989, 0.1848, 0.1642 by changing the saturation by 10% instead.


 24.6989, 0.1848,
0.1642


 24.6989, 0.1848,
0.1642


276.3351, 0.2499,
0.2435


 15.8529, 0.1694,
0.1466


 51.1683, 0.2081,
0.1916


 9.4201, 0.1504,
0.1257


 69.5605, 0.2170,
0.2024

 5.0162, 0.1270,
0.1008


 91.9035, 0.2246,
0.2116

 2.2568, 0.0984,
0.0720

 118.5818, 0.2311,
0.2197

 0.7507, 0.0646,
0.0405

149.9797, 0.2368,
0.2268

 0.0000, 0.0106,
0.0000

186.4816, 0.2417,

 0.0000, 0.0000,

0.2330

0.0000

228.4720, 0.2461,
0.2386

■ 24.6989, 0.1848,
0.1642

■ 24.6989, 0.1848,
0.1642

■ 20.3360, 0.1749,
0.1427

■ 30.0283, 0.1975,
0.1872

■ 16.8511, 0.1677,
0.1236

■ 36.4016, 0.2124,
0.2107

■ 43.8852, 0.2287,
0.2339

■ 52.5389, 0.2459,
0.2562

■ 62.4178, 0.2634,
0.2771

■ 73.5728, 0.2805,
0.2962

■ 86.0518, 0.2970,
0.3135

99.8999, 0.3126,
0.3289

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.6989, 0.1381, 0.1735



24.6989, 0.1848, 0.1642



24.6989, 0.2720, 0.1844

Triad

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



24.6989, 0.1848, 0.1642



24.6989, 0.5428, 0.3682



24.6989, 0.2142, 0.4668

Complementary

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



24.6989, 0.1848, 0.1642



51.3115, 0.4805, 0.4346

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.



24.6989, 0.3136, 0.5525



24.6989, 0.1848, 0.1642



24.6989, 0.5039, 0.4482

Square

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



24.6989, 0.1848, 0.1642



24.6989, 0.5038, 0.2952



24.6989, 0.4179, 0.5258



24.6989, 0.1484, 0.3233

Rectangle

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



24.6989, 0.1848, 0.1642



24.6989, 0.3512, 0.2126



24.6989, 0.4179, 0.5258



24.6989, 0.2450, 0.5077

Sweetspot

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



24.6985, 0.1848, 0.1642



69.0322, 0.2738, 0.2889



75.1188, 0.2615, 0.4428



13.9322, 0.2677, 0.2820



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.



24.6985, 0.1848, 0.1642



18.1686, 0.1703, 0.1310



10.7955, 0.1688, 0.0844



18.5780, 0.2979, 0.3144



9.0786, 0.1685, 0.1266



1.0913, 0.1747, 0.1489

Inverse Universe

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



25.3062, 0.4830, 0.2620



22.5801, 0.5306, 0.2717



89.9321, 0.4018, 0.5046



18.1083, 0.3231, 0.3195



11.6445, 0.5374, 0.2734



1.1547, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 24.6989, 0.1848, 0.1642 looks on a white background.

Color Contrast Check

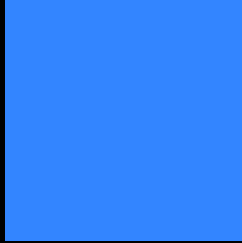
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6989, 0.1848, 0.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

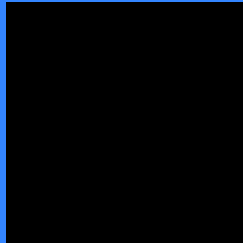
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

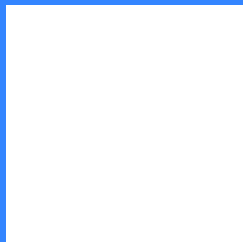
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6989, 0.1848, 0.1642

Background



This preview shows how black text looks on a background with the Yxy color 24.6989, 0.1848, 0.1642.



This preview shows how white text looks on a background with the Yxy color 24.6989, 0.1848, 0.1642.

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

24.6989, 0.1848, 0.1642

Protanopia

24.6265, 0.1902, 0.1651

Deuteranopia

24.5878, 0.1832, 0.1793



Tritanopia

24.3859, 0.2188, 0.3078

Trichromacy



Original Color

24.6989, 0.1848, 0.1642

Protanomaly

24.7150, 0.1880, 0.1648

Deuteranomaly

24.4523, 0.1824, 0.1726

Tritanomaly

24.0152, 0.2022, 0.2419

Monochromacy



Original Color

24.6989, 0.1848, 0.1642

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3108, 0.2419, 0.2515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6989, 0.1848, 0.1642 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(51, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 133, 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(51, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.6989, 0.1848, 0.1642 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(51, 133, 255) }
```

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

```
.border{ border-color:rgb(51, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6989, 0.1848, 0.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 133, 255) }
```

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

```
.background{ background-color: rgb(51, 133,  
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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