

Converting Colors

$Y_{xy}(24.0561, 0.1892, 0.1601)$

Have a look what the booklet for
Yxy(24.0561, 0.1892, 0.1601)
contains.

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Color

Yxy(24.0361, 0.1893, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	4880FF
RGB	72, 128, 255
RGB Percent	28%, 50%, 100%
CMY	0.7179, 0.4980, 0.0000
CMYK	0.72, 0.50, 0.00, 0.00
HSL	222°, 100%, 64%
HSV	222°, 72%, 100%
XYZ	28.4377, 24.0361, 97.7518
YIQ	125.7340, -74.1430, 27.6250

Conversions

Conversions Part 2

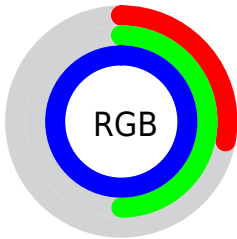
Format	Color
R _Y B	72, 115, 255
Decimal	4751615
CIE Lab	56.12, 23.54, -68.59
CIE LCh	56, 72.513, 288.942
Yxy	24.0361, 0.1893, 0.1600
Android (android.graphics.Color)	4282941695 (0xFF4880FF)
YUV	125.7340, 63.7281, -47.1247
Hunter-Lab	49.0266, 17.7417, -83.8968

Details

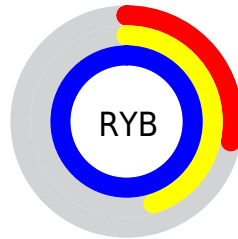
The Yxy color **24.0361, 0.1893, 0.1600** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **62.5368, 0.4479, 0.4460**, and the grayscale version is **20.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5252, 0.2364, 0.2373**, and **9.7685, 0.1687, 0.1273** is the 20% darker color. If you saturate the color by 10%, you get **19.0327, 0.1762, 0.1352**, and if you desaturate by 10%, it is **30.2506, 0.2050, 0.1865**.

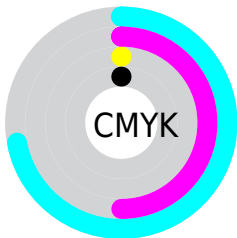
Distribution



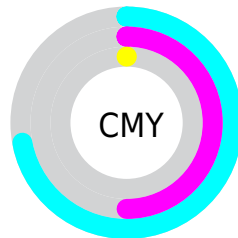
- Red (28%)
- Green (50%)
- Blue (100%)



- Red (28%)
- Yellow (45%)
- Blue (100%)



- Cyan (72%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0361, 0.1893, 0.1600 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 24.0361, 0.1893, 0.1600 by changing the saturation by 10% instead.


 24.0361, 0.1893,
0.1600


 24.0361, 0.1893,
0.1600


273.0029, 0.2528,
0.2408


 15.3604, 0.1741,
0.1423


 50.0891, 0.2121,
0.1878


 9.0727, 0.1553,
0.1212


 68.2352, 0.2208,
0.1987

 4.7886, 0.1321,
0.0964


 90.3069, 0.2282,
0.2082

 2.1238, 0.1033,
0.0679

 116.6885, 0.2345,
0.2164

 0.6780, 0.0691,
0.0366

147.7646, 0.2400,
0.2236

 0.0000, 0.0168,
0.0000

183.9194, 0.2448,

 0.0000, 0.0000,

0.2300

0.0000

225.5374, 0.2490,
0.2357

■ 24.0361, 0.1893,
0.1600

■ 24.0361, 0.1893,
0.1600

■ 19.0327, 0.1762,
0.1352

■ 30.2506, 0.2050,
0.1865

■ 15.1434, 0.1663,
0.1132

■ 37.7585, 0.2225,
0.2134

■ 12.6852, 0.1606,
0.0980

■ 46.6353, 0.2408,
0.2396

■ 56.9498, 0.2593,
0.2643

■ 68.7658, 0.2772,
0.2871

■ 82.1432, 0.2942,
0.3076

■ 97.1383, 0.3100,
0.3260

■ 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.



24.0361, 0.1367, 0.1650



24.0361, 0.1893, 0.1600



24.0361, 0.2848, 0.1843

Triad

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



24.0361, 0.1893, 0.1600



24.0361, 0.5502, 0.3775



24.0361, 0.1982, 0.4548

Complementary

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



24.0361, 0.1893, 0.1600



62.5368, 0.4479, 0.4460

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.



24.0361, 0.2976, 0.5594



24.0361, 0.1893, 0.1600



24.0361, 0.4997, 0.4610

Square

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



24.0361, 0.1893, 0.1600



24.0361, 0.5224, 0.3022



24.0361, 0.4060, 0.5409



24.0361, 0.1371, 0.3047

Rectangle

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



24.0361, 0.1893, 0.1600



24.0361, 0.3696, 0.2154



24.0361, 0.4060, 0.5409



24.0361, 0.2284, 0.5018

Sweetspot

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



24.0365, 0.1893, 0.1600



68.5040, 0.2768, 0.2866



76.9276, 0.2545, 0.4037



13.9462, 0.2720, 0.2807



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.



24.0365, 0.1893, 0.1600



17.2662, 0.1716, 0.1255



14.8791, 0.1913, 0.1084



18.2852, 0.2979, 0.3120



6.8582, 0.1614, 0.1008



0.8512, 0.1675, 0.1229

Inverse Universe

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



27.4447, 0.4836, 0.2797



23.4805, 0.5352, 0.2836



87.4279, 0.3849, 0.5031



18.0787, 0.3246, 0.3217



11.4203, 0.5746, 0.2939



1.1305, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 24.0361, 0.1893, 0.1600 looks on a white background.

Color Contrast Check

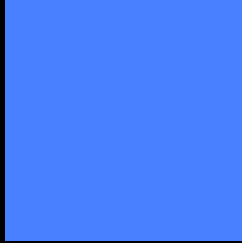
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0361, 0.1893, 0.1600 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

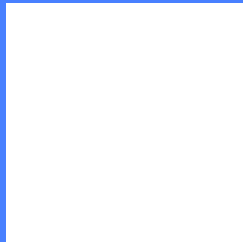
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0361, 0.1893, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 24.0361, 0.1893, 0.1600.



This preview shows how white text looks on a background with the Yxy color 24.0361, 0.1893, 0.1600.

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

24.0361, 0.1893, 0.1600

Protanopia

23.9773, 0.1867, 0.1602

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

24.0361, 0.1893, 0.1600

Protanomaly

24.0788, 0.1876, 0.1605

Deuteranomaly

23.5872, 0.1827, 0.1703

Tritanomaly

23.2095, 0.2019, 0.2366

Monochromacy



Original Color

24.0361, 0.1893, 0.1600

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2600, 0.2484, 0.2505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0361, 0.1893, 0.1600 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(72, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 128, 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(72, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.0361, 0.1893, 0.1600 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(72, 128, 255) }
```

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

```
.border{ border-color:rgb(72, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0361, 0.1893, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 128, 255) }
```

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

```
.background{ background-color: rgb(72, 128,  
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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