

Converting Colors

$Y_{xy}(24.8465, 0.1896, 0.1641)$

Have a look what the booklet for
Yxy(24.8465, 0.1896, 0.1641)
contains.

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Color

Yxy(24.7547, 0.1896, 0.1636)

Conversions

Conversions Part 1

Format	Color
Hex	4683FF
RGB	70, 131, 255
RGB Percent	27%, 51%, 100%
CMY	0.7256, 0.4862, 0.0000
CMYK	0.73, 0.49, 0.00, 0.00
HSL	220°, 100%, 64%
HSV	220°, 73%, 100%
XYZ	28.6888, 24.7547, 97.8688
YIQ	126.8970, -76.1600, 25.6320

Conversions

Conversions Part 2

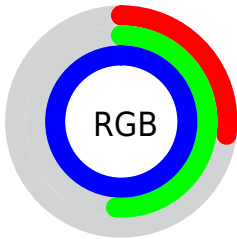
Format	Color
R _Y B	70, 116, 255
Decimal	4621311
CIE Lab	56.84, 21.45, -67.44
CIE LCh	57, 70.766, 287.646
Yxy	24.7547, 0.1896, 0.1636
Android (android.graphics.Color)	4282811391 (0xFF4683FF)
YUV	126.8970, 63.1548, -49.8987
Hunter-Lab	49.7541, 15.8556, -81.7986

Details

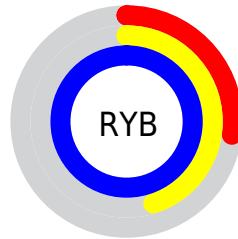
The Yxy color **24.7547, 0.1896, 0.1636** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **60.2631, 0.4529, 0.4429**, and the grayscale version is **20.9834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5759, 0.2359, 0.2408**, and **10.2177, 0.1700, 0.1319** is the 20% darker color. If you saturate the color by 10%, you get **19.7825, 0.1769, 0.1393**, and if you desaturate by 10%, it is **30.8874, 0.2049, 0.1894**.

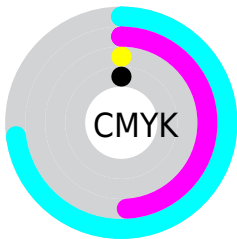
Distribution



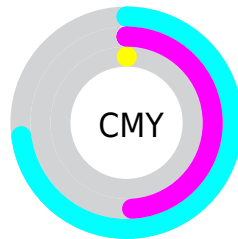
- Red (27%)
- Green (51%)
- Blue (100%)



- Red (27%)
- Yellow (45%)
- Blue (100%)



- Cyan (73%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7547, 0.1896, 0.1636 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 24.7547, 0.1896, 0.1636 by changing the saturation by 10% instead.


 24.7547, 0.1896,
0.1636


 24.7547, 0.1896,
0.1636


276.6141, 0.2527,
0.2429


 15.8944, 0.1745,
0.1461


 51.2590, 0.2122,
0.1909

 9.4495, 0.1560,
0.1253


 69.6718, 0.2209,
0.2017

 5.0355, 0.1329,
0.1005


 92.0375, 0.2282,
0.2109

 2.2681, 0.1044,
0.0719

 118.7406, 0.2345,
0.2190

 0.7567, 0.0702,
0.0406

150.1654, 0.2400,
0.2261

 0.0000, 0.0191,
0.0000

186.6963, 0.2447,

 0.0000, 0.0000,

0.2323

0.0000

228.7177, 0.2489,
0.2379

■ 24.7547, 0.1896,
0.1636

■ 24.7547, 0.1896,
0.1636

■ 19.7825, 0.1769,
0.1393

■ 30.8874, 0.2049,
0.1894

■ 15.8766, 0.1673,
0.1177

■ 38.2583, 0.2220,
0.2154

■ 13.5797, 0.1622,
0.1037

■ 46.9397, 0.2400,
0.2408

■ 56.9974, 0.2581,
0.2648

■ 68.4920, 0.2759,
0.2869

■ 81.4804, 0.2929,
0.3069

■ 96.0164, 0.3088,
0.3248

■ 99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



24.7547, 0.1394, 0.1701



24.7547, 0.1896, 0.1636



24.7547, 0.2811, 0.1863

Triad

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



24.7547, 0.1896, 0.1636



24.7547, 0.5442, 0.3747



24.7547, 0.2057, 0.4563

Complementary

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



24.7547, 0.1896, 0.1636



60.2631, 0.4529, 0.4429

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.



24.7547, 0.3040, 0.5524



24.7547, 0.1896, 0.1636



24.7547, 0.4990, 0.4559

Square

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



24.7547, 0.1896, 0.1636



24.7547, 0.5125, 0.3008



24.7547, 0.4096, 0.5328



24.7547, 0.1434, 0.3117

Rectangle

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



24.7547, 0.1896, 0.1636



24.7547, 0.3625, 0.2161



24.7547, 0.4096, 0.5328



24.7547, 0.2357, 0.5001

Sweetspot

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



24.7554, 0.1896, 0.1636



69.1847, 0.2769, 0.2881



76.6820, 0.2556, 0.4089



14.1052, 0.2722, 0.2823



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.



24.7554, 0.1896, 0.1636



17.9241, 0.1722, 0.1293



14.3512, 0.1882, 0.1056



18.3565, 0.2979, 0.3126



7.3382, 0.1630, 0.1066



0.9048, 0.1692, 0.1289

Inverse Universe

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



27.2740, 0.4799, 0.2754



23.4038, 0.5304, 0.2796



87.8308, 0.3873, 0.5029



18.0859, 0.3242, 0.3212



11.4688, 0.5660, 0.2891



1.1359, 0.5341, 0.2716

Previews

White Background



This preview shows how the Yxy color 24.7547, 0.1896, 0.1636 looks on a white background.

Color Contrast Check

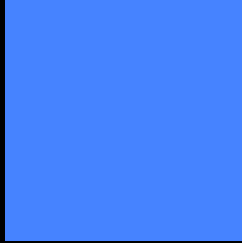
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7547, 0.1896, 0.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

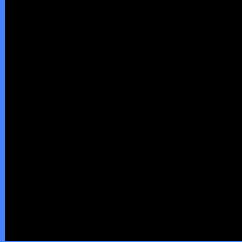
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

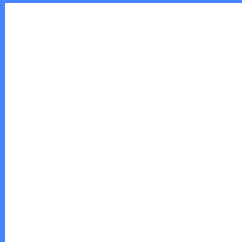
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7547, 0.1896, 0.1636

Background



This preview shows how black text looks on a background with the Yxy color 24.7547, 0.1896, 0.1636.



This preview shows how white text looks on a background with the Yxy color 24.7547, 0.1896, 0.1636.

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

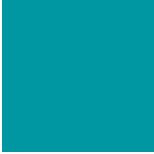
24.7547, 0.1896, 0.1636

Protanopia

24.6815, 0.1890, 0.1633

Deuteranopia

24.6480, 0.1829, 0.1784



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.7547, 0.1896, 0.1636

Protanomaly

24.7178, 0.1893, 0.1635

Deuteranomaly

24.2500, 0.1828, 0.1715

Tritanomaly

23.8371, 0.2023, 0.2389

Monochromacy



Original Color

24.7547, 0.1896, 0.1636

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5585, 0.2479, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7547, 0.1896, 0.1636 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(70, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 131, 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(70, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.7547, 0.1896, 0.1636 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(70, 131, 255) }
```

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

```
.border{ border-color:rgb(70, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7547, 0.1896, 0.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 131, 255) }
```

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

```
.background{ background-color: rgb(70, 131,  
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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