

Converting Colors

$Y_{xy}(24.7743, 0.1917, 0.1634)$

Have a look what the booklet for
Yxy(24.7743, 0.1917, 0.1634)
contains.

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Color

Yxy(24.7630, 0.1918, 0.1632)

Conversions

Conversions Part 1

Format	Color
Hex	4D82FF
RGB	77, 130, 255
RGB Percent	30%, 51%, 100%
CMY	0.6975, 0.4903, 0.0000
CMYK	0.70, 0.49, 0.00, 0.00
HSL	222°, 100%, 65%
HSV	222°, 70%, 100%
XYZ	29.1026, 24.7630, 97.8685
YIQ	128.4030, -71.7130, 27.6390

Conversions

Conversions Part 2

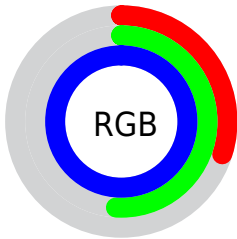
Format	Color
R _Y B	77, 118, 255
Decimal	5079807
CIE Lab	56.84, 23.02, -67.42
CIE LCh	57, 71.244, 288.853
Yxy	24.7630, 0.1918, 0.1632
Android (android.graphics.Color)	4283269887 (0xFF4D82FF)
YUV	128.4030, 62.4123, -45.0804
Hunter-Lab	49.7624, 17.3080, -81.7728

Details

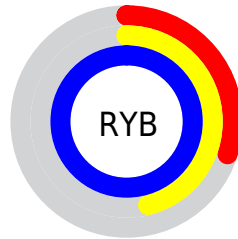
The Yxy color **24.7630, 0.1918, 0.1632** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **64.1106, 0.4429, 0.4455**, and the grayscale version is **21.5409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6052, 0.2385, 0.2402**, and **10.0658, 0.1695, 0.1303** is the 20% darker color. If you saturate the color by 10%, you get **19.5406, 0.1780, 0.1378**, and if you desaturate by 10%, it is **31.2306, 0.2081, 0.1902**.

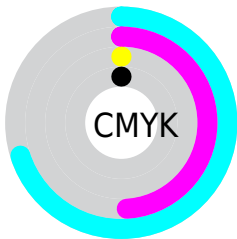
Distribution



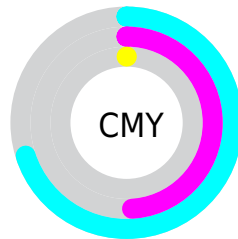
- Red (30%)
- Green (51%)
- Blue (100%)



- Red (30%)
- Yellow (46%)
- Blue (100%)



- Cyan (70%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7630, 0.1918, 0.1632 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 24.7630, 0.1918, 0.1632 by changing the saturation by 10% instead.


 24.7630, 0.1918,
0.1632


 24.7630, 0.1918,
0.1632


276.6556, 0.2539,
0.2425


 15.9006, 0.1769,
0.1457


 51.2725, 0.2141,
0.1905


 9.4538, 0.1585,
0.1249

 69.6883, 0.2226,
0.2012

 5.0384, 0.1356,
0.1003


 92.0574, 0.2299,
0.2105

 2.2698, 0.1071,
0.0717

 118.7642, 0.2361,
0.2186

 0.7576, 0.0729,
0.0405

150.1930, 0.2414,
0.2257

 0.0000, 0.0230,
0.0000

186.7282, 0.2461,

 0.0000, 0.0000,

0.2319

0.0000

228.7543, 0.2503,
0.2375

■ 24.7630, 0.1918,
0.1632

■ 24.7630, 0.1918,
0.1632

■ 19.5406, 0.1780,
0.1378

■ 31.2306, 0.2081,
0.1902

■ 15.4699, 0.1674,
0.1151

■ 39.0282, 0.2259,
0.2173

■ 12.4215, 0.1601,
0.0963

■ 48.2305, 0.2444,
0.2436

■ 12.3563, 0.1600,
0.0959

■ 58.9067, 0.2629,
0.2683

■ 71.1213, 0.2807,
0.2909

■ 84.9344, 0.2975,
0.3113

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.



24.7630, 0.1399, 0.1684



24.7630, 0.1918, 0.1632



24.7630, 0.2854, 0.1871

Triad

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



24.7630, 0.1918, 0.1632



24.7630, 0.5450, 0.3777



24.7630, 0.2016, 0.4515

Complementary

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



24.7630, 0.1918, 0.1632



64.1106, 0.4429, 0.4455

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.



24.7630, 0.2993, 0.5525



24.7630, 0.1918, 0.1632



24.7630, 0.4968, 0.4595

Square

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



24.7630, 0.1918, 0.1632



24.7630, 0.5168, 0.3033



24.7630, 0.4057, 0.5363



24.7630, 0.1410, 0.3063

Rectangle

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



24.7630, 0.1918, 0.1632



24.7630, 0.3680, 0.2177



24.7630, 0.4057, 0.5363



24.7630, 0.2313, 0.4966

Sweetspot

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



24.7625, 0.1918, 0.1632



69.5116, 0.2785, 0.2882



77.3504, 0.2539, 0.3971



14.1345, 0.2736, 0.2821



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.



24.7625, 0.1918, 0.1632



17.6770, 0.1731, 0.1277



16.0372, 0.1966, 0.1147



18.2573, 0.2979, 0.3118



6.6813, 0.1608, 0.0987



0.8311, 0.1668, 0.1205

Inverse Universe

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



28.1972, 0.4786, 0.2815



23.8405, 0.5312, 0.2843



87.1839, 0.3819, 0.5011



18.0759, 0.3247, 0.3220



11.4024, 0.5779, 0.2957



1.1284, 0.5459, 0.2781

Previews

White Background



This preview shows how the Yxy color 24.7630, 0.1918, 0.1632 looks on a white background.

Color Contrast Check

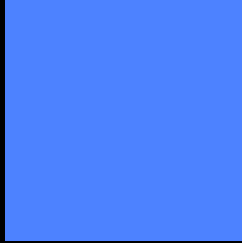
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7630, 0.1918, 0.1632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

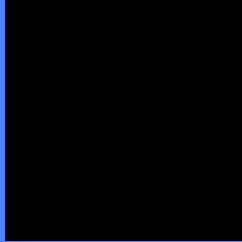
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

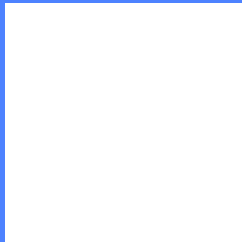
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7630, 0.1918, 0.1632

Background



This preview shows how black text looks on a background with the Yxy color 24.7630, 0.1918, 0.1632.



This preview shows how white text looks on a background with the Yxy color 24.7630, 0.1918, 0.1632.

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

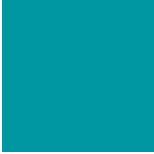
24.7630, 0.1918, 0.1632

Protanopia

24.7178, 0.1893, 0.1635

Deuteranopia

24.6480, 0.1829, 0.1784



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.7630, 0.1918, 0.1632

Protanomaly

24.8303, 0.1903, 0.1638

Deuteranomaly

24.2902, 0.1832, 0.1716

Tritanomaly

23.8773, 0.2028, 0.2390

Monochromacy



Original Color

24.7630, 0.1918, 0.1632

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0715, 0.2516, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7630, 0.1918, 0.1632 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(77, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 130, 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(77, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.7630, 0.1918, 0.1632 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(77, 130, 255) }
```

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

```
.border{ border-color:rgb(77, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7630, 0.1918, 0.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 130, 255) }
```

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

```
.background{ background-color: rgb(77, 130,  
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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