

Converting Colors

$Y_{xy}(24.8197, 0.1890, 0.1641)$

Have a look what the booklet for
Yxy(24.8197, 0.1890, 0.1641)
contains.

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Color

Yxy(24.9515, 0.1893, 0.1646)

Conversions

Conversions Part 1

Format	Color
Hex	4484FF
RGB	68, 132, 255
RGB Percent	27%, 52%, 100%
CMY	0.7328, 0.4824, 0.0000
CMYK	0.73, 0.48, 0.00, 0.00
HSL	219°, 100%, 63%
HSV	219°, 73%, 100%
XYZ	28.6957, 24.9515, 97.9415
YIQ	126.8860, -77.6270, 24.6850

Conversions

Conversions Part 2

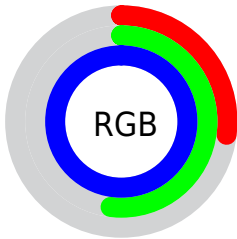
Format	Color
R _Y B	68, 116, 255
Decimal	4490495
CIE Lab	57.03, 20.65, -67.15
CIE LCh	57, 70.255, 287.093
Yxy	24.9515, 0.1893, 0.1646
Android (android.graphics.Color)	4282680575 (0xFF4484FF)
YUV	126.8860, 63.1602, -51.6430
Hunter-Lab	49.9515, 15.1282, -81.2858

Details

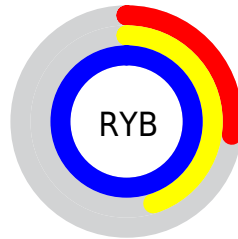
The Yxy color **24.9515, 0.1893, 0.1646** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.0068, 0.4561, 0.4416**, and the grayscale version is **20.9909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9043, 0.2356, 0.2420**, and **10.3719, 0.1704, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **20.0304, 0.1769, 0.1407**, and if you desaturate by 10%, it is **31.0005, 0.2043, 0.1900**.

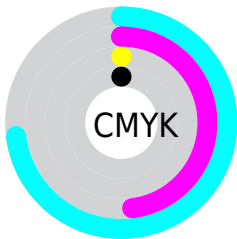
Distribution



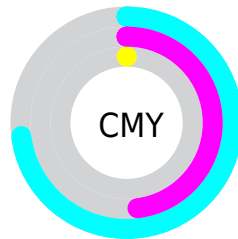
- Red (27%)
- Green (52%)
- Blue (100%)



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



- Cyan (73%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9515, 0.1893, 0.1646 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 24.9515, 0.1893, 0.1646 by changing the saturation by 10% instead.


 24.9515, 0.1893,
0.1646

 24.9515, 0.1893,
0.1646


277.5963, 0.2524,
0.2435

 16.0409, 0.1742,
0.1472


 51.5785, 0.2119,
0.1918

 9.5531, 0.1557,
0.1264


 70.0638, 0.2206,
0.2025

 5.1037, 0.1327,
0.1017


 92.5094, 0.2279,
0.2117

 2.3082, 0.1042,
0.0730

 119.2997, 0.2342,
0.2197

 0.7781, 0.0701,
0.0416

150.8192, 0.2397,
0.2268

 0.0000, 0.0192,
0.0000

187.4522, 0.2445,

 0.0000, 0.0000,

0.2330

0.0000

229.5831, 0.2487,
0.2385

■ 24.9515, 0.1893,
0.1646

■ 24.9515, 0.1893,
0.1646

■ 20.0304, 0.1769,
0.1407

■ 31.0005, 0.2043,
0.1900

■ 16.1512, 0.1676,
0.1193

■ 38.2609, 0.2211,
0.2157

■ 14.0568, 0.1630,
0.1067

■ 46.8011, 0.2389,
0.2407

■ 56.6856, 0.2570,
0.2643

■ 67.9738, 0.2747,
0.2862

■ 80.7214, 0.2917,
0.3060

■ 94.9808, 0.3077,
0.3237

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.



24.9515, 0.1400, 0.1718



24.9515, 0.1893, 0.1646



24.9515, 0.2794, 0.1866

Triad

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



24.9515, 0.1893, 0.1646



24.9515, 0.5425, 0.3734



24.9515, 0.2083, 0.4575

Complementary

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



24.9515, 0.1893, 0.1646



59.0068, 0.4561, 0.4416

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.



24.9515, 0.3064, 0.5507



24.9515, 0.1893, 0.1646



24.9515, 0.4992, 0.4539

Square

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



24.9515, 0.1893, 0.1646



24.9515, 0.5092, 0.2999



24.9515, 0.4111, 0.5302



24.9515, 0.1455, 0.3145

Rectangle

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



24.9515, 0.1893, 0.1646



24.9515, 0.3598, 0.2160



24.9515, 0.4111, 0.5302



24.9515, 0.2384, 0.5003

Sweetspot

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



24.9499, 0.1893, 0.1646



69.5263, 0.2770, 0.2888



76.4536, 0.2568, 0.4142



14.1851, 0.2722, 0.2832



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.



24.9499, 0.1893, 0.1646



18.0770, 0.1721, 0.1302



13.8653, 0.1852, 0.1029



18.3923, 0.2979, 0.3129



7.5928, 0.1638, 0.1097



0.9328, 0.1700, 0.1321

Inverse Universe

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



27.0752, 0.4791, 0.2732



23.2865, 0.5296, 0.2778



88.2648, 0.3898, 0.5025



18.0895, 0.3240, 0.3209



11.4945, 0.5615, 0.2867



1.1387, 0.5298, 0.2692

Previews

White Background



This preview shows how the Yxy color 24.9515, 0.1893, 0.1646 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 24.9515, 0.1893, 0.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

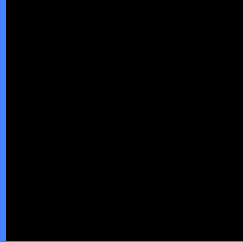
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

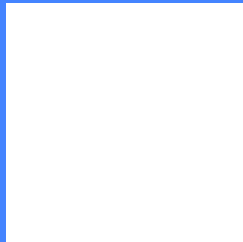
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9515, 0.1893, 0.1646

Background



This preview shows how black text looks on a background with the Yxy color 24.9515, 0.1893, 0.1646.



This preview shows how white text looks on a background with the Yxy color 24.9515, 0.1893, 0.1646.

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

24.9515, 0.1893, 0.1646

Protanopia

25.0246, 0.1899, 0.1649

Deuteranopia

24.9969, 0.1831, 0.1790



Tritanopia

24.7419, 0.2189, 0.3079

Trichromacy



Original Color

24.9515, 0.1893, 0.1646

Protanomaly

24.9877, 0.1896, 0.1648

Deuteranomaly

24.5923, 0.1830, 0.1721

Tritanomaly

24.1387, 0.2028, 0.2407

Monochromacy



Original Color

24.9515, 0.1893, 0.1646

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8207, 0.2481, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9515, 0.1893, 0.1646 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(68, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 132, 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(68, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.9515, 0.1893, 0.1646 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(68, 132, 255) }
```

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

```
.border{ border-color:rgb(68, 132, 255) }
```

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

Here you see how a box with a 4 pixel rgb(68, 132, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9515, 0.1893, 0.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 132, 255) }
```

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

```
.background{ background-color: rgb(68, 132,  
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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