

Converting Colors

$Y_{xy}(24.4006, 0.2093, 0.1581)$

Have a look what the booklet for
Yxy(24.4006, 0.2093, 0.1581)
contains.

Yxy(24.3356, 0.2092, 0.1578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.3356, 0.2092, 0.1578)

Conversions

Conversions Part 1

Format	Color
Hex	7777FF
RGB	119, 119, 255
RGB Percent	47%, 47%, 100%
CMY	0.5331, 0.5334, 0.0000
CMYK	0.53, 0.53, 0.00, 0.00
HSL	240°, 100%, 73%
HSV	240°, 53%, 100%
XYZ	32.2624, 24.3356, 97.6200
YIQ	134.5040, -43.6560, 42.2960

Conversions

Conversions Part 2

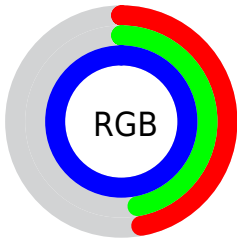
Format	Color
R _Y B	119, 119, 255
Decimal	7829503
CIE Lab	56.42, 36.62, -67.99
CIE LCh	56, 77.220, 298.308
Yxy	24.3356, 0.2092, 0.1578
Android (android.graphics.Color)	4286019583 (0xFF7777FF)
YUV	134.5040, 59.4045, -13.5970
Hunter-Lab	49.3311, 30.4090, -82.7955

Details

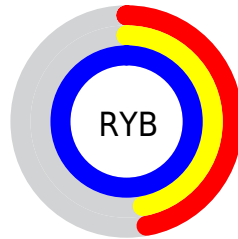
The Yxy color **24.3356, 0.2092, 0.1578** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94.0963, 0.3902, 0.4573**, and the grayscale version is **23.8268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9295, 0.2587, 0.2321**, and **9.2678, 0.1788, 0.1205** is the 20% darker color. If you saturate the color by 10%, you get **17.4906, 0.1890, 0.1244**, and if you desaturate by 10%, it is **33.2908, 0.2309, 0.1936**.

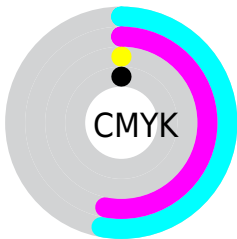
Distribution



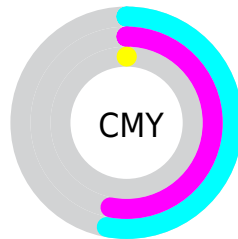
- Red (47%)
- Green (47%)
- Blue (100%)



- Red (47%)
- Yellow (47%)
- Blue (100%)



- Cyan (53%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3356, 0.2092, 0.1578 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 24.3356, 0.2092, 0.1578 by changing the saturation by 10% instead.


 24.3356, 0.2092,
0.1578


 24.3356, 0.2092,
0.1578


274.5128, 0.2639,
0.2382


 15.5828, 0.1956,
0.1404


 50.5773, 0.2292,
0.1852

 9.2294, 0.1786,
0.1198


 68.8349, 0.2367,
0.1961

 4.8911, 0.1570,
0.0956


 91.0296, 0.2430,
0.2055

 2.1835, 0.1294,
0.0677

117.5458, 0.2484,
0.2137

 0.7110, 0.0946,
0.0374

148.7678, 0.2531,
0.2210

 0.0000, 0.0505,
0.0000

185.0800, 0.2572,

 0.0000, 0.0000,

0.2274

0.0000

226.8669, 0.2607,
0.2331

■ 24.3356, 0.2092,
0.1578

■ 24.3356, 0.2092,
0.1578

■ 17.4906, 0.1890,
0.1244

■ 33.2908, 0.2309,
0.1936

■ 12.5840, 0.1719,
0.0961

■ 44.5114, 0.2524,
0.2293

■ 9.4153, 0.1594,
0.0755

■ 58.1366, 0.2728,
0.2629

■ 7.7406, 0.1523,
0.0638

■ 74.2946, 0.2913,
0.2936

■ 7.2210, 0.1500,
0.0600

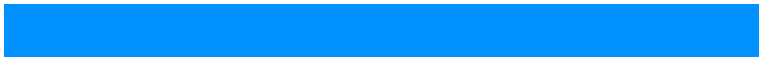
■ 93.1047, 0.3077,
0.3207

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.



24.3356, 0.1421, 0.1528



24.3356, 0.2092, 0.1578



24.3356, 0.3231, 0.1916

Triad

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



24.3356, 0.2092, 0.1578



24.3356, 0.5514, 0.4021



24.3356, 0.1664, 0.4106

Complementary

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



24.3356, 0.2092, 0.1578



94.0963, 0.3902, 0.4573

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.



24.3356, 0.2595, 0.5547



24.3356, 0.2092, 0.1578



24.3356, 0.4781, 0.4921

Square

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



24.3356, 0.2092, 0.1578



24.3356, 0.5536, 0.3225



24.3356, 0.3721, 0.5693



24.3356, 0.1194, 0.2625

Rectangle

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



24.3356, 0.2092, 0.1578



24.3356, 0.4166, 0.2286



24.3356, 0.3721, 0.5693



24.3356, 0.1931, 0.4668

Sweetspot

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



24.3351, 0.2092, 0.1578



69.7443, 0.2866, 0.2858



82.6605, 0.2443, 0.3288



14.2014, 0.2828, 0.2795



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.



24.3351, 0.2092, 0.1578



17.1096, 0.1877, 0.1223



30.9725, 0.2589, 0.1777



17.3783, 0.2978, 0.3044



3.7733, 0.1500, 0.0600



0.3676, 0.1501, 0.0600

Inverse Universe

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



41.6638, 0.3188, 0.2016



36.0935, 0.3197, 0.1829



83.4150, 0.3436, 0.4811



18.3002, 0.3138, 0.3056



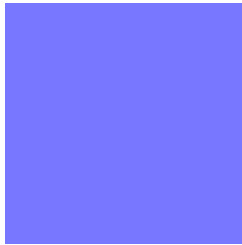
14.8765, 0.3211, 0.1542



1.4485, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 24.3356, 0.2092, 0.1578 looks on a white background.

Color Contrast Check

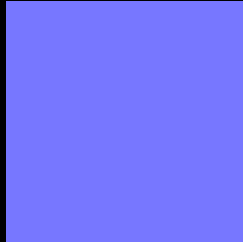
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3356, 0.2092, 0.1578 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 24.3356, 0.2092, 0.1578

Background



This preview shows how black text looks on a background with the Yxy color 24.3356, 0.2092, 0.1578.



This preview shows how white text looks on a background with the Yxy color 24.3356, 0.2092, 0.1578.

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

24.3356, 0.2092, 0.1578

Protanopia

24.6108, 0.1883, 0.1631

Deuteranopia

24.3021, 0.1827, 0.1778



Tritanopia

24.2781, 0.2493, 0.3069

Trichromacy



Original Color

24.3356, 0.2092, 0.1578

Protanomaly

24.3300, 0.1940, 0.1606

Deuteranomaly

23.1943, 0.1840, 0.1656

Tritanomaly

23.6751, 0.2311, 0.2367

Monochromacy



Original Color

24.3356, 0.2092, 0.1578

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.6223, 0.2648, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3356, 0.2092, 0.1578 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(119, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 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(119, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.3356, 0.2092, 0.1578 is called "border". The border property can be set on classes, ids or directly on the HTML element.

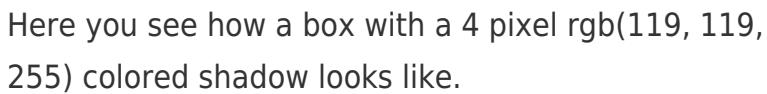
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 119, 255) }
```

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

```
.border{ border-color:rgb(119, 119, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 119, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 119, 255); box-shadow:4px 4px 4px 4px rgb(119, 119, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3356, 0.2092, 0.1578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 255) }
```

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

```
.background{ background-color: rgb(119,  
119, 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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