

Converting Colors

$Y_{xy}(25.5090, 0.1875, 0.1678)$

Have a look what the booklet for
Yxy(25.5090, 0.1875, 0.1678)
contains.

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Color

Yxy(25.4475, 0.1873, 0.1675)

Conversions

Conversions Part 1

Format	Color
Hex	3A87FF
RGB	58, 135, 255
RGB Percent	23%, 53%, 100%
CMY	0.7728, 0.4706, 0.0000
CMYK	0.77, 0.47, 0.00, 0.00
HSL	217°, 100%, 61%
HSV	217°, 77%, 100%
XYZ	28.4556, 25.4475, 98.0223
YIQ	125.6570, -84.4120, 20.9960

Conversions

Conversions Part 2

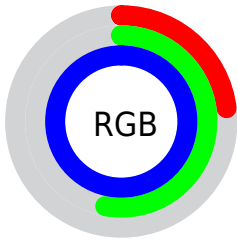
Format	Color
R _Y B	58, 113, 255
Decimal	3835903
CIE Lab	57.51, 17.64, -66.38
CIE LCh	58, 68.680, 284.882
Yxy	25.4475, 0.1873, 0.1675
Android (android.graphics.Color)	4282025983 (0xFF3A87FF)
YUV	125.6570, 63.7661, -59.3352
Hunter-Lab	50.4455, 12.4097, -79.8964

Details

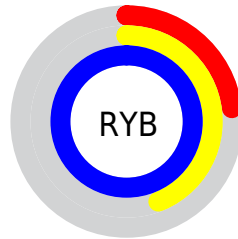
The Yxy color **25.4475, 0.1873, 0.1675** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **53.3747, 0.4726, 0.4356**, and the grayscale version is **20.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0920, 0.2334, 0.2465**, and **10.6868, 0.1713, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **20.8429, 0.1765, 0.1453**, and if you desaturate by 10%, it is **31.0627, 0.2008, 0.1910**.

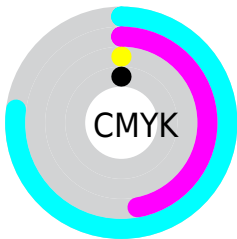
Distribution



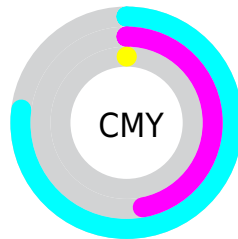
- Red (23%)
- Green (53%)
- Blue (100%)



- Red (23%)
- Yellow (44%)
- Blue (100%)



- Cyan (77%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4475, 0.1873, 0.1675 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 25.4475, 0.1873, 0.1675 by changing the saturation by 10% instead.


 25.4475, 0.1873,
0.1675


 25.4475, 0.1873,
0.1675


280.0592, 0.2511,
0.2453


 16.4108, 0.1722,
0.1502


 52.3823, 0.2101,
0.1944


 9.8153, 0.1536,
0.1295


 71.0491, 0.2188,
0.2049

 5.2767, 0.1305,
0.1049


 93.6948, 0.2262,
0.2140

 2.4105, 0.1021,
0.0761

 120.7036, 0.2326,
0.2220

 0.8313, 0.0683,
0.0444

152.4601, 0.2382,
0.2289

 0.0000, 0.0169,
0.0000

189.3486, 0.2430,

 0.0000, 0.0000,

0.2350

0.0000

231.7535, 0.2473,
0.2404

■ 25.4475, 0.1873,
0.1675

■ 25.4475, 0.1873,
0.1675

■ 20.8429, 0.1765,
0.1453

■ 31.0627, 0.2008,
0.1910

■ 17.1566, 0.1686,
0.1253

■ 37.7619, 0.2163,
0.2150

■ 16.2838, 0.1667,
0.1202

■ 45.6114, 0.2332,
0.2385

■ 54.6712, 0.2506,
0.2608

■ 64.9963, 0.2681,
0.2817

■ 76.6379, 0.2852,
0.3007

■ 89.6442, 0.3015,
0.3178

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.



25.4475, 0.1414, 0.1771



25.4475, 0.1873, 0.1675



25.4475, 0.2726, 0.1872

Triad

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



25.4475, 0.1873, 0.1675



25.4475, 0.5373, 0.3682



25.4475, 0.2176, 0.4631

Complementary

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



25.4475, 0.1873, 0.1675



53.3747, 0.4726, 0.4356

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.



25.4475, 0.3153, 0.5458



25.4475, 0.1873, 0.1675



25.4475, 0.5006, 0.4466

Square

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



25.4475, 0.1873, 0.1675



25.4475, 0.4981, 0.2962



25.4475, 0.4173, 0.5214



25.4475, 0.1525, 0.3248

Rectangle

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



25.4475, 0.1873, 0.1675



25.4475, 0.3497, 0.2149



25.4475, 0.4173, 0.5214



25.4475, 0.2479, 0.5024

Sweetspot

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



25.4480, 0.1873, 0.1675



69.8168, 0.2755, 0.2900



75.5589, 0.2603, 0.4336



14.0697, 0.2693, 0.2830



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.



25.4480, 0.1873, 0.1675



18.6299, 0.1716, 0.1335



11.8437, 0.1741, 0.0910



18.5430, 0.2979, 0.3141



8.7779, 0.1676, 0.1233



1.0598, 0.1738, 0.1457

Inverse Universe

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



26.0287, 0.4778, 0.2639



22.8268, 0.5266, 0.2713



89.5369, 0.3983, 0.5031



18.1047, 0.3232, 0.3197



11.6141, 0.5420, 0.2760



1.1515, 0.5116, 0.2592

Previews

White Background



This preview shows how the Yxy color 25.4475, 0.1873, 0.1675 looks on a white background.

Color Contrast Check

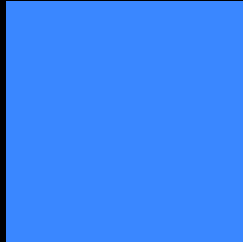
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4475, 0.1873, 0.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

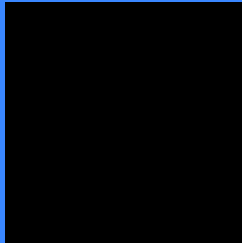
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

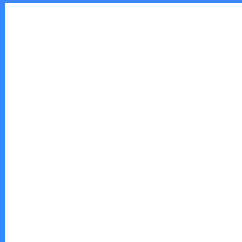
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4475, 0.1873, 0.1675

Background



This preview shows how black text looks on a background with the Yxy color 25.4475, 0.1873, 0.1675.



This preview shows how white text looks on a background with the Yxy color 25.4475, 0.1873, 0.1675.

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

25.4475, 0.1873, 0.1675

Protanopia

25.4034, 0.1930, 0.1685

Deuteranopia

25.4100, 0.1830, 0.1788



Tritanopia

25.1008, 0.2189, 0.3080

Trichromacy



Original Color

25.4475, 0.1873, 0.1675

Protanomaly

25.4712, 0.1906, 0.1681

Deuteranomaly

25.1759, 0.1830, 0.1739

Tritanomaly

24.7027, 0.2032, 0.2442

Monochromacy



Original Color

25.4475, 0.1873, 0.1675

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4843, 0.2447, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4475, 0.1873, 0.1675 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(58, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 135, 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(58, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.4475, 0.1873, 0.1675 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(58, 135, 255) }
```

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

```
.border{ border-color:rgb(58, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4475, 0.1873, 0.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 135, 255) }
```

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

```
.background{ background-color: rgb(58, 135,  
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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