

Converting Colors

$Y_{xy}(45.3881, 0.2177, 0.2422)$

Have a look what the booklet for
Yxy(45.3881, 0.2177, 0.2422)
contains.

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Color

Yxy(45.3020, 0.2176, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	61BBFF
RGB	97, 187, 255
RGB Percent	38%, 73%, 100%
CMY	0.6197, 0.2667, 0.0000
CMYK	0.62, 0.27, 0.00, 0.00
HSL	206°, 100%, 69%
HSV	206°, 62%, 100%
XYZ	40.7512, 45.3020, 101.2225
YIQ	167.8420, -75.4680, 2.0680

Conversions

Conversions Part 2

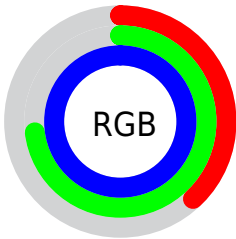
Format	Color
R _Y B	97, 154, 255
Decimal	6405119
CIE Lab	73.09, -6.98, -41.59
CIE LCh	73, 42.174, 260.467
Yxy	45.3020, 0.2176, 0.2419
Android (android.graphics.Color)	4284595199 (0xFF61BBFF)
YUV	167.8420, 42.9689, -62.1284
Hunter-Lab	67.3068, -9.7132, -42.0514

Details

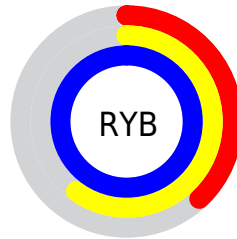
The Yxy color **45.3020, 0.2176, 0.2419** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.0278, 0.4598, 0.3965**, and the grayscale version is **38.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6921, 0.2581, 0.3154**, and **21.1274, 0.1942, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **39.6399, 0.2055, 0.2250**, and if you desaturate by 10%, it is **51.7701, 0.2314, 0.2585**.

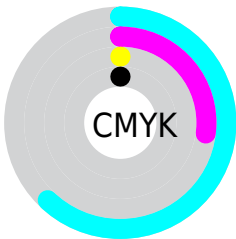
Distribution



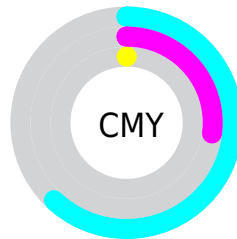
- Red (38%)
- Green (73%)
- Blue (100%)



- Red (38%)
- Yellow (60%)
- Blue (100%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3020, 0.2176, 0.2419 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 45.3020, 0.2176, 0.2419 by changing the saturation by 10% instead.

45.3020, 0.2176,
0.2419

45.3020, 0.2176,
0.2419

367.9953, 0.2631,
0.2844

31.6954, 0.2071,
0.2319

83.1734, 0.2335,
0.2570

21.1289, 0.1942,
0.2193

108.2070, 0.2397,
0.2628

13.2183, 0.1779,
0.2035

137.8183, 0.2450,
0.2677

7.5790, 0.1571,
0.1828

172.3918, 0.2496,
0.2720

3.8268, 0.1300,
0.1552

212.3119, 0.2536,
0.2757

1.5771, 0.0945,
0.1181

257.9629, 0.2571,

0.3421, 0.0252,

0.2790

0.0558

309.7292, 0.2603,
0.2819

0.0000, 0.0000,
0.0000

45.3020, 0.2176,
0.2419

45.3020, 0.2176,
0.2419

39.6399, 0.2055,
0.2250

51.7701, 0.2314,
0.2585

34.7306, 0.1955,
0.2080

59.0905, 0.2463,
0.2744

30.5119, 0.1877,
0.1915

67.3055, 0.2620,
0.2893

27.5519, 0.1830,
0.1787

76.4539, 0.2781,
0.3031

86.5718, 0.2940,
0.3156

97.6930, 0.3097,
0.3269

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.



45.3020, 0.2066, 0.2701



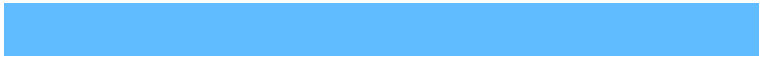
45.3020, 0.2176, 0.2419



45.3020, 0.2517, 0.2365

Triad

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



45.3020, 0.2176, 0.2419



45.3020, 0.4141, 0.3247



45.3020, 0.3114, 0.4272

Complementary

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



45.3020, 0.2176, 0.2419



49.0278, 0.4598, 0.3965

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.



45.3020, 0.3688, 0.4364



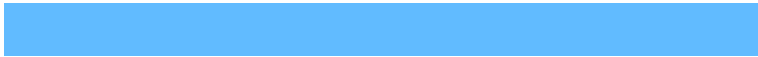
45.3020, 0.2176, 0.2419



45.3020, 0.4316, 0.3707

Square

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



45.3020, 0.2176, 0.2419



45.3020, 0.3657, 0.2826



45.3020, 0.4136, 0.4123



45.3020, 0.2571, 0.3816

Rectangle

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



45.3020, 0.2176, 0.2419



45.3020, 0.2856, 0.2444



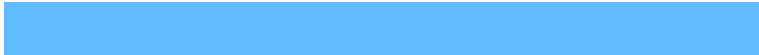
45.3020, 0.4136, 0.4123



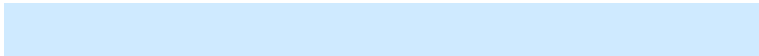
45.3020, 0.3310, 0.4347

Sweetspot

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



45.3021, 0.2176, 0.2419



79.3520, 0.2828, 0.3069



76.6988, 0.2767, 0.4489



16.3860, 0.2782, 0.3032



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.



45.3021, 0.2176, 0.2419



38.5821, 0.2033, 0.2215



20.9460, 0.1948, 0.1428



19.0956, 0.2979, 0.3185



14.6989, 0.1837, 0.1813



1.6483, 0.1888, 0.1996

Inverse Universe

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



33.3950, 0.3935, 0.2412



28.2396, 0.4174, 0.2319



85.5273, 0.4071, 0.4636



18.1605, 0.3204, 0.3155



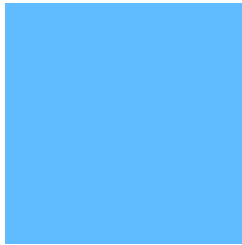
12.2118, 0.4670, 0.2346



1.2109, 0.4457, 0.2229

Previews

White Background



This preview shows how the Yxy color 45.3020, 0.2176, 0.2419 looks on a white background.

Color Contrast Check

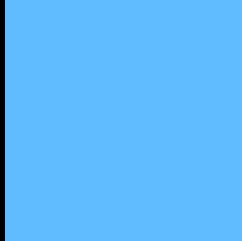
Large Text (above 18pt) WCAG AA × Fail

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 45.3020, 0.2176, 0.2419 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 ✓ Pass

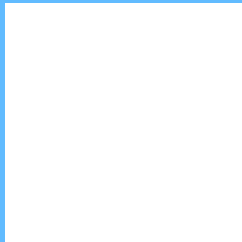
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3020, 0.2176, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 45.3020, 0.2176, 0.2419.

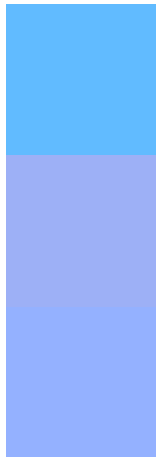


This preview shows how white text looks on a background with the Yxy color 45.3020, 0.2176, 0.2419.

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

45.3020, 0.2176, 0.2419

Protanopia

44.8726, 0.2499, 0.2434

Deuteranopia

44.9602, 0.2397, 0.2344



Tritanopia

45.2699, 0.2313, 0.3057

Trichromacy



Original Color

45.3020, 0.2176, 0.2419

Protanomaly

44.6330, 0.2359, 0.2426

Deuteranomaly

44.9349, 0.2302, 0.2371

Tritanomaly

45.1301, 0.2260, 0.2804

Monochromacy



Original Color

45.3020, 0.2176, 0.2419

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.5809, 0.2674, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3020, 0.2176, 0.2419 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(97, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 187, 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(97, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3020, 0.2176, 0.2419 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(97, 187, 255) }
```

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

```
.border{ border-color:rgb(97, 187, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 187, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3020, 0.2176, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 187, 255) }
```

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

```
.background{ background-color: rgb(97, 187,  
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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