

Converting Colors

$Yxy(46.1483, 0.2249, 0.2608)$

Have a look what the booklet for
Yxy(46.1483, 0.2249, 0.2608)
contains.

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Color

Yxy(45.9470, 0.2250, 0.2604)

Conversions

Conversions Part 1

Format	Color
Hex	64BEF2
RGB	100, 190, 242
RGB Percent	39%, 75%, 95%
CMY	0.6077, 0.2549, 0.0509
CMYK	0.59, 0.21, 0.00, 0.05
HSL	202°, 85%, 67%
HSV	202°, 59%, 95%
XYZ	39.7007, 45.9470, 90.8000
YIQ	169.0180, -70.3320, -2.9080

Conversions

Conversions Part 2

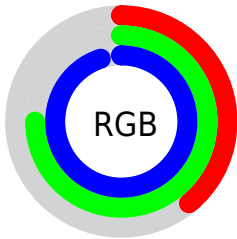
Format	Color
R _Y B	100, 155, 242
Decimal	6602482
CIE Lab	73.51, -12.07, -33.92
CIE LCh	74, 36.004, 250.419
Yxy	45.9470, 0.2250, 0.2604
Android (android.graphics.Color)	4284792562 (0xFF64BEF2)
YUV	169.0180, 35.9801, -60.5288
Hunter-Lab	67.7842, -14.0762, -31.9727

Details

The Yxy color **45.9470, 0.2250, 0.2604** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.2780, 0.4560, 0.3843**, and the grayscale version is **39.5349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7086, 0.2596, 0.3188**, and **21.6186, 0.2030, 0.2417** is the 20% darker color. If you saturate the color by 10%, you get **41.0417, 0.2133, 0.2463**, and if you desaturate by 10%, it is **51.4992, 0.2383, 0.2741**.

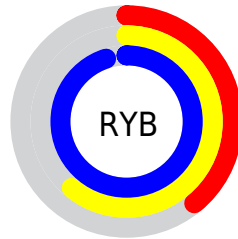
Distribution



Red (39%)

Green (75%)

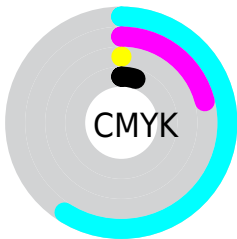
Blue (95%)



Red (39%)

Yellow (61%)

Blue (95%)

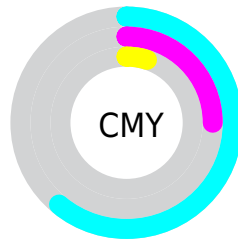


Cyan (59%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (61%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9470, 0.2250, 0.2604 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 45.9470, 0.2250, 0.2604 by changing the saturation by 10% instead.

■ 45.9470, 0.2250,
0.2604

■ 45.9470, 0.2250,
0.2604

■ 370.5955, 0.2671,
0.2946

■ 32.2040, 0.2152,
0.2521

■ 84.1397, 0.2398,
0.2727

■ 21.5174, 0.2029,
0.2415

■ 109.3581, 0.2455,
0.2774

■ 13.5027, 0.1875,
0.2279

■ 139.1705, 0.2504,
0.2813

■ 7.7756, 0.1674,
0.2097

■ 173.9613, 0.2547,
0.2847

■ 3.9517, 0.1406,
0.1844

■ 214.1148, 0.2584,
0.2877

■ 1.6466, 0.1045,
0.1482

■ 260.0154, 0.2616,

■ 0.3887, 0.0161,

0.2903

0.0834

312.0475, 0.2645,
0.2926

0.0000, 0.0000,
0.0000

45.9470, 0.2250,
0.2604

45.9470, 0.2250,
0.2604

41.0417, 0.2133,
0.2463

51.4992, 0.2383,
0.2741

36.7366, 0.2035,
0.2319

57.7303, 0.2528,
0.2872

32.9849, 0.1958,
0.2178


64.6754, 0.2680,
0.2994


29.7176, 0.1902,
0.2039


72.3654, 0.2836,
0.3107

29.3077, 0.1895,
0.2021

80.8289, 0.2993,
0.3209

 90.0930, 0.3148,
0.3302

 97.3393, 0.3205,
0.3387

 99.1924, 0.3203,
0.3415

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9470, 0.2226, 0.2921



45.9470, 0.2250, 0.2604



45.9470, 0.2484, 0.2486

Triad

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



45.9470, 0.2250, 0.2604



45.9470, 0.3873, 0.3131



45.9470, 0.3293, 0.4177

Complementary

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



45.9470, 0.2250, 0.2604



42.2780, 0.4560, 0.3843

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.



45.9470, 0.3761, 0.4164



45.9470, 0.2250, 0.2604



45.9470, 0.4121, 0.3529

Square

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



45.9470, 0.2250, 0.2604



45.9470, 0.3410, 0.2787



45.9470, 0.4073, 0.3907



45.9470, 0.2802, 0.3885

Rectangle

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



45.9470, 0.2250, 0.2604



45.9470, 0.2744, 0.2513



45.9470, 0.4073, 0.3907



45.9470, 0.3458, 0.4207

Sweetspot

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



45.9487, 0.2250, 0.2604



82.0448, 0.2846, 0.3113



68.4239, 0.2822, 0.4542



16.9978, 0.2800, 0.3082



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.



45.9487, 0.2250, 0.2604



45.4288, 0.2117, 0.2441



22.8781, 0.2041, 0.1658



16.8984, 0.2980, 0.3201



16.0101, 0.1901, 0.2044



1.5208, 0.1952, 0.2226

Inverse Universe

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



31.7193, 0.3757, 0.2361



30.1981, 0.3939, 0.2240



71.3710, 0.4082, 0.4503



15.9274, 0.3194, 0.3141



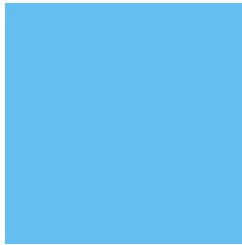
11.4096, 0.4404, 0.2200



0.9682, 0.4204, 0.2090

Previews

White Background



This preview shows how the Yxy color 45.9470, 0.2250, 0.2604 looks on a white background.

Color Contrast Check

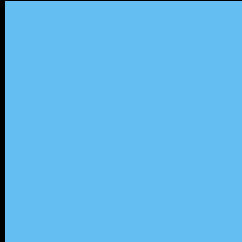
Large Text (above 18pt) WCAG AA × Fail

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 45.9470, 0.2250, 0.2604 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

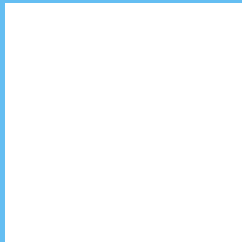
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9470, 0.2250, 0.2604

Background



This preview shows how black text looks on a background with the Yxy color 45.9470, 0.2250, 0.2604.



This preview shows how white text looks on a background with the Yxy color 45.9470, 0.2250, 0.2604.

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

45.9470, 0.2250, 0.2604

Protanopia

45.3268, 0.2630, 0.2595

Deuteranopia

45.5104, 0.2525, 0.2461



Tritanopia

45.7596, 0.2354, 0.3059

Trichromacy



Original Color

45.9470, 0.2250, 0.2604

Protanomaly

45.1747, 0.2465, 0.2599

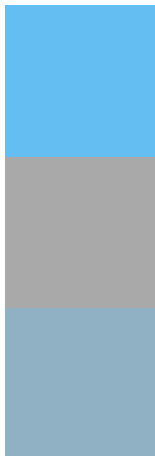
Deuteranomaly

45.3908, 0.2406, 0.2508

Tritanomaly

45.6892, 0.2316, 0.2885

Monochromacy



Original Color

45.9470, 0.2250, 0.2604

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3591, 0.2719, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9470, 0.2250, 0.2604 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(100, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(100, 190, 242)  
}
```

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(100, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 190, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.9470, 0.2250, 0.2604 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(100, 190, 242) }
```

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

```
.border{ border-color:rgb(100, 190, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(100, 190,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9470, 0.2250, 0.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 190, 242) }
```

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

```
.background{ background-color: rgb(100,  
190, 242) }
```

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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