

Converting Colors

$Yxy(45.9152, 0.2246, 0.2638)$

Have a look what the booklet for
Yxy(45.9152, 0.2246, 0.2638)
contains.

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Color

Yxy(46.0397, 0.2246, 0.2639)

Conversions

Conversions Part 1

Format	Color
Hex	60BFF0
RGB	96, 191, 240
RGB Percent	38%, 75%, 94%
CMY	0.6233, 0.2510, 0.0589
CMYK	0.60, 0.20, 0.00, 0.06
HSL	200°, 83%, 66%
HSV	200°, 60%, 94%
XYZ	39.1835, 46.0397, 89.2357
YIQ	168.1810, -72.3490, -4.9010

Conversions

Conversions Part 2

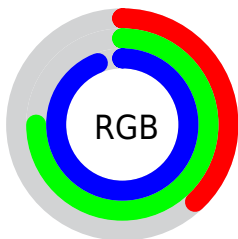
Format	Color
R_{YB}	96, 153, 240
Decimal	6340592
CIE _{Lab}	73.57, -13.96, -32.73
CIE _{LCh}	74, 35.582, 246.908
Yxy	46.0397, 0.2246, 0.2639
Android (android.graphics.Color)	4284530672 (0xFF60BFF0)
YUV	168.1810, 35.4068, -63.3027
Hunter-Lab	67.8526, -15.6619, -30.4779

Details

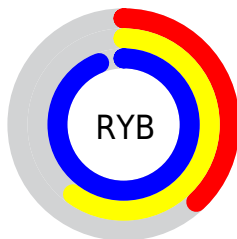
The Yxy color **46.0397, 0.2246, 0.2639** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.6264, 0.4632, 0.3811**, and the grayscale version is **39.1084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9096, 0.2579, 0.3199**, and **21.6957, 0.2025, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **41.4684, 0.2135, 0.2508**, and if you desaturate by 10%, it is **51.2101, 0.2373, 0.2766**.

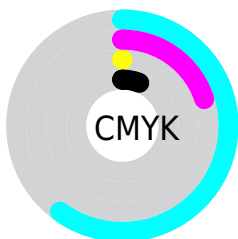
Distribution



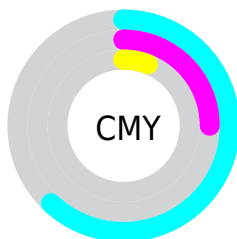
- Red (38%)
- Green (75%)
- Blue (94%)



- Red (38%)
- Yellow (60%)
- Blue (94%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (62%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0397, 0.2246, 0.2639 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 46.0397, 0.2246, 0.2639 by changing the saturation by 10% instead.

46.0397, 0.2246,
0.2639

46.0397, 0.2246,
0.2639

370.9682, 0.2669,
0.2966

32.2772, 0.2147,
0.2559

84.2784, 0.2395,
0.2757

21.5733, 0.2025,
0.2457

109.5234, 0.2452,
0.2802

13.5437, 0.1869,
0.2325

139.3646, 0.2501,
0.2839

7.8040, 0.1667,
0.2148

174.1864, 0.2544,
0.2872

3.9698, 0.1398,
0.1900

214.3733, 0.2581,
0.2900

1.6567, 0.1034,
0.1541

260.3097, 0.2614,

0.3954, 0.0079,

0.2925

0.0893

312.3798, 0.2643,
0.2946

0.0000, 0.0000,
0.0000

46.0397, 0.2246,
0.2639

46.0397, 0.2246,
0.2639

41.4684, 0.2135,
0.2508

51.2101, 0.2373,
0.2766

37.4506, 0.2044,
0.2376

57.0105, 0.2514,
0.2887

33.9401, 0.1973,
0.2245


63.4750, 0.2663,
0.3001

30.8587, 0.1922,
0.2117


70.6333, 0.2817,
0.3107

30.8497, 0.1921,
0.2117

78.5130, 0.2973,
0.3203

 87.1401, 0.3128,
0.3290

 94.7837, 0.3220,
0.3369

 99.0695, 0.3215,
0.3435

Harmonies

Analogous

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



46.0397, 0.2247, 0.2975



46.0397, 0.2246, 0.2639



46.0397, 0.2455, 0.2499

Triad

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



46.0397, 0.2246, 0.2639



46.0397, 0.3818, 0.3090



46.0397, 0.3349, 0.4180

Complementary

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



46.0397, 0.2246, 0.2639



39.6264, 0.4632, 0.3811

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.



46.0397, 0.3800, 0.4134



46.0397, 0.2246, 0.2639



46.0397, 0.4095, 0.3481

Square

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



46.0397, 0.2246, 0.2639



46.0397, 0.3347, 0.2759



46.0397, 0.4082, 0.3861



46.0397, 0.2860, 0.3924

Rectangle

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



46.0397, 0.2246, 0.2639



46.0397, 0.2698, 0.2511



46.0397, 0.4082, 0.3861



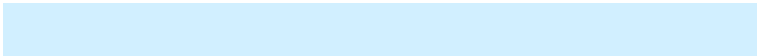
46.0397, 0.3511, 0.4197

Sweetspot

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



46.0414, 0.2246, 0.2639



82.7461, 0.2847, 0.3126



66.8076, 0.2830, 0.4609



17.1697, 0.2801, 0.3097



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.



46.0414, 0.2246, 0.2639



46.5042, 0.2113, 0.2478



22.2238, 0.2024, 0.1649



16.9703, 0.2980, 0.3208



17.1487, 0.1927, 0.2137



1.6103, 0.1974, 0.2307

Inverse Universe

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



30.6587, 0.3729, 0.2309



29.6465, 0.3908, 0.2183



68.4703, 0.4116, 0.4503



15.9347, 0.3190, 0.3135



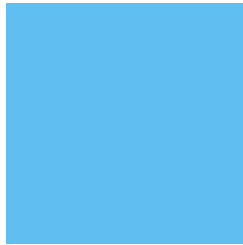
11.5245, 0.4300, 0.2143



0.9773, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 46.0397, 0.2246, 0.2639 looks on a white background.

Color Contrast Check

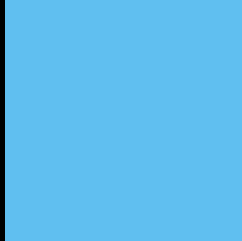
Large Text (above 18pt) WCAG AA × Fail

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 46.0397, 0.2246, 0.2639 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

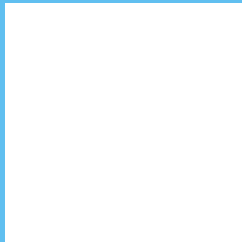
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0397, 0.2246, 0.2639

Background



This preview shows how black text looks on a background with the Yxy color 46.0397, 0.2246, 0.2639.



This preview shows how white text looks on a background with the Yxy color 46.0397, 0.2246, 0.2639.

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

46.0397, 0.2246, 0.2639

Protanopia

45.6610, 0.2657, 0.2642

Deuteranopia

45.4924, 0.2543, 0.2483



Tritanopia

46.1181, 0.2341, 0.3060

Trichromacy



Original Color

46.0397, 0.2246, 0.2639

Protanomaly

45.4702, 0.2478, 0.2634

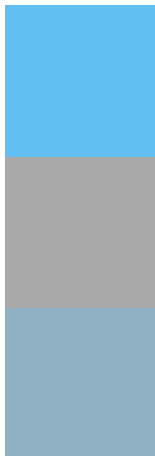
Deuteranomaly

45.1851, 0.2410, 0.2528

Tritanomaly

45.9322, 0.2303, 0.2898

Monochromacy



Original Color

46.0397, 0.2246, 0.2639

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6965, 0.2716, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0397, 0.2246, 0.2639 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(96, 191, 240)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 240)  
}
```

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(96, 191, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 240) }
```

Border

The CSS property to change the border of an element to Yxy 46.0397, 0.2246, 0.2639 is called "border". The border property can be set on classes, ids or directly on the HTML element.

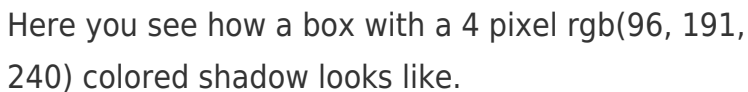
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 191, 240) }
```

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

```
.border{ border-color:rgb(96, 191, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 191, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 240);  
box-shadow:4px 4px 4px 4px rgb(96, 191,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0397, 0.2246, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 240) }
```

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

```
.background{ background-color: rgb(96, 191,  
240) }
```

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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