

Converting Colors

$Y_{xy}(50.5727, 0.2241, 0.2671)$

Have a look what the booklet for
Yxy(50.5727, 0.2241, 0.2671)
contains.

Yxy(50.5727, 0.2241, 0.2671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5727, 0.2241, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	60C8F8
RGB	96, 200, 248
RGB Percent	38%, 78%, 97%
CMY	0.6230, 0.2157, 0.0274
CMYK	0.61, 0.19, 0.00, 0.03
HSL	199°, 92%, 67%
HSV	199°, 61%, 97%
XYZ	42.4311, 50.5727, 96.3362
YIQ	174.3760, -77.3920, -7.1200

Conversions

Conversions Part 2

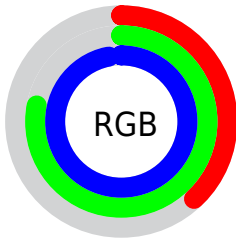
Format	Color
R _{YB}	96, 158, 248
Decimal	6342904
CIE Lab	76.42, -16.22, -32.66
CIE LCh	76, 36.466, 243.584
Yxy	50.5727, 0.2241, 0.2671
Android (android.graphics.Color)	4284532984 (0xFF60C8F8)
YUV	174.3760, 36.2966, -68.7358
Hunter-Lab	71.1145, -17.9468, -30.5378

Details

The Yxy color **50.5727, 0.2241, 0.2671** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.7936, 0.4710, 0.3780**, and the grayscale version is **42.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **24.3194, 0.2030, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **45.8939, 0.2136, 0.2550**, and if you desaturate by 10%, it is **55.8658, 0.2363, 0.2789**.

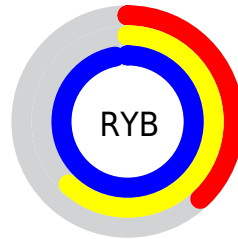
Distribution



Red (38%)

Green (78%)

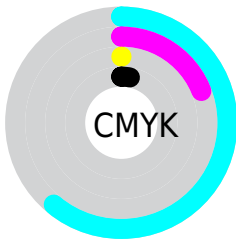
Blue (97%)



Red (38%)

Yellow (62%)

Blue (97%)

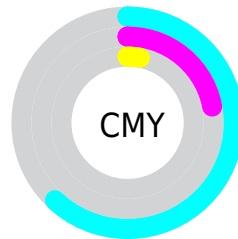


Cyan (61%)

Magenta (19%)

Yellow (0%)

Black (3%)



Cyan (62%)


Magenta (22%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5727, 0.2241, 0.2671 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 50.5727, 0.2241, 0.2671 by changing the saturation by 10% instead.


 50.5727, 0.2241,
0.2671

 50.5727, 0.2241,
0.2671


388.9013, 0.2659,
0.2979


 35.8687, 0.2145,
0.2596


 91.0228, 0.2387,
0.2781


 24.3328, 0.2027,
0.2502


 117.5377, 0.2443,
0.2823

 15.5807, 0.1878,
0.2381


 148.7583, 0.2492,
0.2859

 9.2279, 0.1686,
0.2219

 185.0691, 0.2534,
0.2890

 4.8901, 0.1434,
0.1994

226.8544, 0.2571,
0.2916

 2.1829, 0.1097,
0.1671

274.4986, 0.2604,

 0.7107, 0.0472,

0.2940

0.1199

328.3861, 0.2633,
0.2960

0.0000, 0.0000,
0.0000

50.5727, 0.2241,
0.2671

50.5727, 0.2241,
0.2671

45.8939, 0.2136,
0.2550

55.8658, 0.2363,
0.2789

41.7796, 0.2051,
0.2428

61.8063, 0.2499,
0.2902

38.1791, 0.1987,
0.2307

68.4311, 0.2645,
0.3009

35.3772, 0.1945,
0.2203

75.7720, 0.2797,
0.3108

83.8587, 0.2953,
0.3198

92.7187, 0.3108,
0.3280

99.4770, 0.3168,
0.3356

99.5577, 0.3168,
0.3357

Harmonies

Analogous

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



50.5727, 0.2266, 0.3025



50.5727, 0.2241, 0.2671



50.5727, 0.2426, 0.2509

Triad

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



50.5727, 0.2241, 0.2671



50.5727, 0.3769, 0.3050



50.5727, 0.3402, 0.4183

Complementary

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



50.5727, 0.2241, 0.2671



40.7936, 0.4710, 0.3780

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.



50.5727, 0.3838, 0.4108



50.5727, 0.2241, 0.2671



50.5727, 0.4071, 0.3436

Square

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



50.5727, 0.2241, 0.2671



50.5727, 0.3289, 0.2732



50.5727, 0.4091, 0.3819



50.5727, 0.2913, 0.3961

Rectangle

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



50.5727, 0.2241, 0.2671



50.5727, 0.2656, 0.2509



50.5727, 0.4091, 0.3819



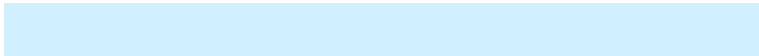
50.5727, 0.3560, 0.4189

Sweetspot

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



50.5745, 0.2241, 0.2671



83.3983, 0.2847, 0.3138



71.5758, 0.2849, 0.4714



17.3297, 0.2802, 0.3111



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.



50.5745, 0.2241, 0.2671



48.0268, 0.2119, 0.2527



24.3211, 0.2013, 0.1671



18.6287, 0.2980, 0.3213



19.3729, 0.1951, 0.2222



1.9845, 0.1990, 0.2364

Inverse Universe

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



32.5155, 0.3705, 0.2259



29.4901, 0.3865, 0.2137



70.7553, 0.4169, 0.4483



17.4257, 0.3187, 0.3129



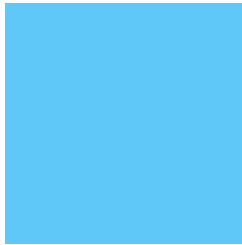
12.3666, 0.4209, 0.2092



1.1646, 0.4059, 0.2010

Previews

White Background



This preview shows how the Yxy color 50.5727, 0.2241, 0.2671 looks on a white background.

Color Contrast Check

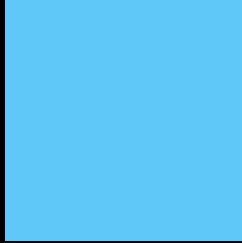
Large Text (above 18pt) WCAG AA × Fail

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 50.5727, 0.2241, 0.2671 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

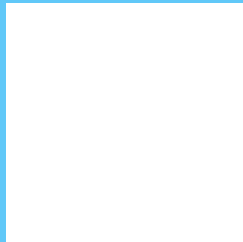
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5727, 0.2241, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 50.5727, 0.2241, 0.2671.



This preview shows how white text looks on a background with the Yxy color 50.5727, 0.2241, 0.2671.

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

50.5727, 0.2241, 0.2671

Protanopia

49.8110, 0.2679, 0.2664

Deuteranopia

50.2090, 0.2570, 0.2513



Tritanopia

50.7679, 0.2329, 0.3068

Trichromacy



Original Color

50.5727, 0.2241, 0.2671

Protanomaly

49.2888, 0.2484, 0.2654

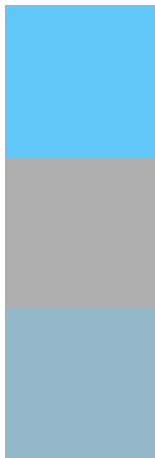
Deuteranomaly

49.5687, 0.2421, 0.2554

Tritanomaly

50.5561, 0.2293, 0.2912

Monochromacy



Original Color

50.5727, 0.2241, 0.2671

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1950, 0.2708, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5727, 0.2241, 0.2671 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, 200, 248)` looks like.

```
.text, #text, p{  
    color:rgb(96, 200, 248)  
}
```

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, 200, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 200, 248) }
```

Border

The CSS property to change the border of an element to Yxy 50.5727, 0.2241, 0.2671 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, 200, 248) }
```

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

```
.border{ border-color:rgb(96, 200, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 200, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 200, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 200, 248);  
box-shadow:4px 4px 4px 4px rgb(96, 200,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5727, 0.2241, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 200, 248) }
```

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

```
.background{ background-color: rgb(96, 200,  
248) }
```

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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