

Converting Colors

$Yxy(53.6422, 0.2115, 0.2166)$

Have a look what the booklet for
Yxy(53.6422, 0.2115, 0.2166)
contains.

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Color

Yxy(50.6632, 0.2270, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	71C5FF
RGB	113, 197, 255
RGB Percent	44%, 77%, 100%
CMY	0.5564, 0.2275, 0.0000
CMYK	0.56, 0.23, 0.00, 0.00
HSL	205°, 100%, 72%
HSV	205°, 56%, 100%
XYZ	44.8364, 50.6632, 102.0177
YIQ	178.4960, -68.6820, 0.2300

Conversions

Conversions Part 2

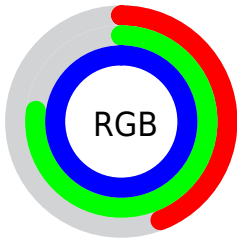
Format	Color
R _Y B	113, 166, 255
Decimal	7456255
CIE Lab	76.47, -9.37, -36.27
CIE LCh	76, 37.457, 255.510
Yxy	50.6632, 0.2270, 0.2565
Android (android.graphics.Color)	4285646335 (0xFF71C5FF)
YUV	178.4960, 37.7165, -57.4400
Hunter-Lab	71.1781, -12.1211, -35.1542

Details

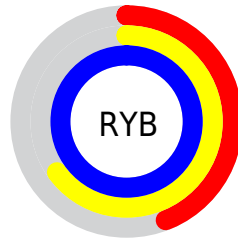
The Yxy color **50.6632, 0.2270, 0.2565** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.6288, 0.4423, 0.3883**, and the grayscale version is **44.6362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9879, 0.2665, 0.3278**, and **24.2800, 0.2061, 0.2372** is the 20% darker color. If you saturate the color by 10%, you get **44.6306, 0.2141, 0.2406**, and if you desaturate by 10%, it is **57.5021, 0.2413, 0.2718**.

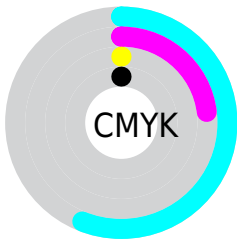
Distribution



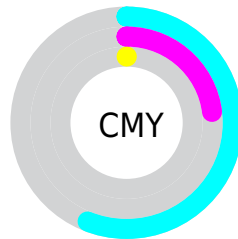
- Red (44%)
- Green (77%)
- Blue (100%)



- Red (44%)
- Yellow (65%)
- Blue (100%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6632, 0.2270, 0.2565 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 50.6632, 0.2270, 0.2565 by changing the saturation by 10% instead.

■ 50.6632, 0.2270,
0.2565

■ 50.6632, 0.2270,
0.2565

389.2538, 0.2675,
0.2918

■ 35.9406, 0.2177,
0.2482

■ 91.1567, 0.2411,
0.2690

■ 24.3884, 0.2062,
0.2377

■ 117.6965, 0.2466,
0.2738

■ 15.6220, 0.1918,
0.2245

■ 148.9441, 0.2513,
0.2779

■ 9.2570, 0.1733,
0.2070

185.2840, 0.2554,
0.2814

■ 4.9092, 0.1489,
0.1834

227.1005, 0.2590,
0.2845

■ 2.1941, 0.1162,
0.1505

274.7780, 0.2622,

■ 0.7168, 0.0654,

0.2872

0.1037

328.7010, 0.2650,
0.2896

0.0000, 0.0000,
0.0000

50.6632, 0.2270,
0.2565

50.6632, 0.2270,
0.2565

44.6306, 0.2141,
0.2406

57.5021, 0.2413,
0.2718

39.3514, 0.2031,
0.2245

65.1843, 0.2565,
0.2863

34.7728, 0.1942,
0.2085

73.7507, 0.2723,
0.2997

30.8286, 0.1875,
0.1930

83.2370, 0.2882,
0.3121

29.2674, 0.1851,
0.1863

93.6771, 0.3040,
0.3232

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



50.6632, 0.2209, 0.2851



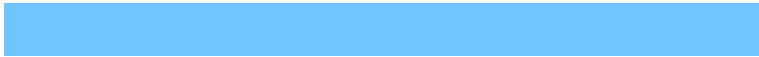
50.6632, 0.2270, 0.2565



50.6632, 0.2539, 0.2480

Triad

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



50.6632, 0.2270, 0.2565



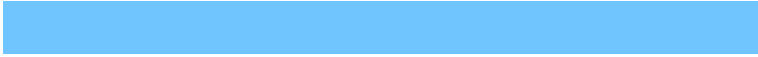
50.6632, 0.3940, 0.3196



50.6632, 0.3207, 0.4155

Complementary

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



50.6632, 0.2270, 0.2565



51.6288, 0.4423, 0.3883

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.



50.6632, 0.3693, 0.4193



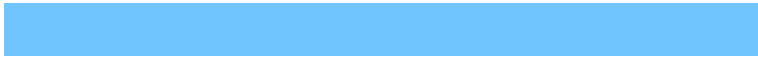
50.6632, 0.2270, 0.2565



50.6632, 0.4142, 0.3599

Square

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



50.6632, 0.2270, 0.2565



50.6632, 0.3500, 0.2836



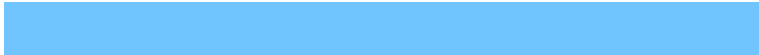
50.6632, 0.4042, 0.3966



50.6632, 0.2723, 0.3814

Rectangle

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



50.6632, 0.2270, 0.2565



50.6632, 0.2818, 0.2528



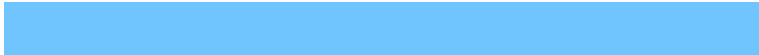
50.6632, 0.4042, 0.3966



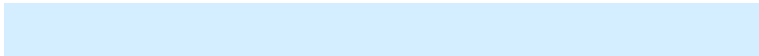
50.6632, 0.3376, 0.4203

Sweetspot

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



50.6650, 0.2270, 0.2565



81.8931, 0.2861, 0.3104



77.9325, 0.2797, 0.4375



17.1099, 0.2829, 0.3080



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.



50.6650, 0.2270, 0.2565



43.8701, 0.2125, 0.2384



25.9973, 0.2078, 0.1662



19.1629, 0.2979, 0.3190



15.5948, 0.1858, 0.1889



1.7335, 0.1907, 0.2064

Inverse Universe

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



37.1271, 0.3782, 0.2453



31.1328, 0.3984, 0.2332



85.2503, 0.4001, 0.4511



18.1673, 0.3201, 0.3150



12.3023, 0.4581, 0.2297



1.2195, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 50.6632, 0.2270, 0.2565 looks on a white background.

Color Contrast Check

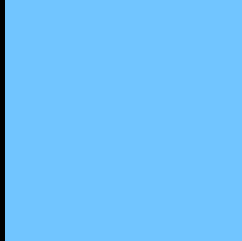
Large Text (above 18pt) WCAG AA × Fail

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 50.6632, 0.2270, 0.2565 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

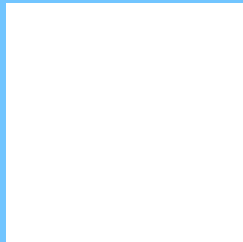
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6632, 0.2270, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 50.6632, 0.2270, 0.2565.



This preview shows how white text looks on a background with the Yxy color 50.6632, 0.2270, 0.2565.

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

50.6632, 0.2270, 0.2565

Protanopia

50.0097, 0.2605, 0.2565

Deuteranopia

50.1334, 0.2528, 0.2469



Tritanopia

50.5885, 0.2388, 0.3057

Trichromacy



Original Color

50.6632, 0.2270, 0.2565

Protanomaly

49.7188, 0.2464, 0.2559

Deuteranomaly

49.8182, 0.2417, 0.2494

Tritanomaly

50.6597, 0.2343, 0.2866

Monochromacy



Original Color

50.6632, 0.2270, 0.2565

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.5914, 0.2736, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6632, 0.2270, 0.2565 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(113, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 197, 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(113, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.6632, 0.2270, 0.2565 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(113, 197, 255) }
```

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

```
.border{ border-color:rgb(113, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(113, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6632, 0.2270, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 197, 255) }
```

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

```
.background{ background-color: rgb(113,  
197, 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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