

Converting Colors

$Y_{xy}(50.3955, 0.2275, 0.2555)$

Have a look what the booklet for
Yxy(50.3955, 0.2275, 0.2555)
contains.

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Color

Yxy(50.3447, 0.2275, 0.2553)

Conversions

Conversions Part 1

Format	Color
Hex	73C4FF
RGB	115, 196, 255
RGB Percent	45%, 77%, 100%
CMY	0.5491, 0.2314, 0.0000
CMYK	0.55, 0.23, 0.00, 0.00
HSL	205°, 100%, 73%
HSV	205°, 55%, 100%
XYZ	44.8626, 50.3447, 101.9909
YIQ	178.5070, -67.2150, 1.1770

Conversions

Conversions Part 2

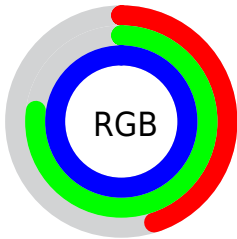
Format	Color
RYB	115, 166, 255
Decimal	7587071
CIELab	76.28, -8.46, -36.58
CIElCh	76, 37.549, 256.980
Yxy	50.3447, 0.2275, 0.2553
Android (android.graphics.Color)	4285777151 (0xFF73C4FF)
YUV	178.5070, 37.7110, -55.6956
Hunter-Lab	70.9540, -11.3080, -35.5570

Details

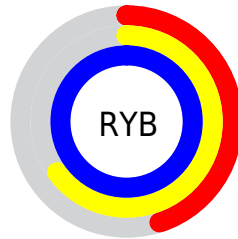
The Yxy color **50.3447, 0.2275, 0.2553** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.7631, 0.4389, 0.3894**, and the grayscale version is **44.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5845, 0.2674, 0.3267**, and **24.0516, 0.2065, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.1731, 0.2143, 0.2390**, and if you desaturate by 10%, it is **57.3404, 0.2421, 0.2711**.

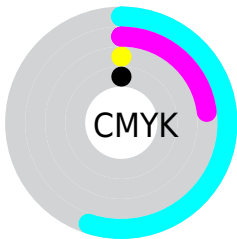
Distribution



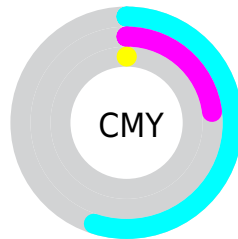
- Red (45%)
- Green (77%)
- Blue (100%)



- Red (45%)
- Yellow (65%)
- Blue (100%)



- Cyan (55%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3447, 0.2275, 0.2553 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 50.3447, 0.2275, 0.2553 by changing the saturation by 10% instead.

■ 50.3447, 0.2275,
0.2553

■ 50.3447, 0.2275,
0.2553

388.0124, 0.2678,
0.2911

■ 35.6874, 0.2182,
0.2468

■ 90.6854, 0.2416,
0.2680

■ 24.1928, 0.2068,
0.2363

■ 117.1375, 0.2470,
0.2728

■ 15.4767, 0.1924,
0.2228

■ 148.2901, 0.2517,
0.2770

■ 9.1546, 0.1739,
0.2052

184.5274, 0.2558,
0.2806

■ 4.8422, 0.1495,
0.1814

226.2339, 0.2594,
0.2837

■ 2.1550, 0.1168,
0.1483

273.7940, 0.2625,

■ 0.6953, 0.0659,

0.2865

0.1009

327.5920, 0.2653,
0.2889

0.0000, 0.0000,
0.0000

50.3447, 0.2275,
0.2553

50.3447, 0.2275,
0.2553

44.1731, 0.2143,
0.2390

57.3404, 0.2421,
0.2711

38.7794, 0.2030,
0.2224

65.2046, 0.2575,
0.2860

34.1086, 0.1937,
0.2058

73.9762, 0.2734,
0.2998

30.0948, 0.1867,
0.1898

83.6914, 0.2894,
0.3124

28.2588, 0.1839,
0.1819

94.3843, 0.3051,
0.3238

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.



50.3447, 0.2203, 0.2830



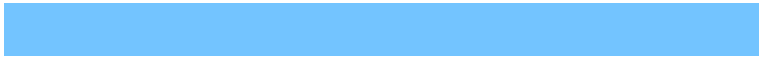
50.3447, 0.2275, 0.2553



50.3447, 0.2555, 0.2477

Triad

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



50.3447, 0.2275, 0.2553



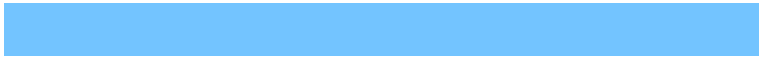
50.3447, 0.3960, 0.3215



50.3447, 0.3182, 0.4149

Complementary

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



50.3447, 0.2275, 0.2553



52.7631, 0.4389, 0.3894

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.



50.3447, 0.3673, 0.4203



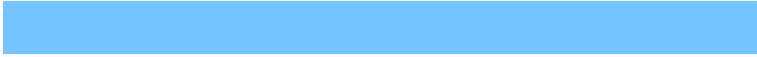
50.3447, 0.2275, 0.2553



50.3447, 0.4148, 0.3619

Square

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



50.3447, 0.2275, 0.2553



50.3447, 0.3526, 0.2849



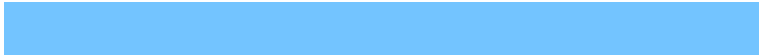
50.3447, 0.4034, 0.3985



50.3447, 0.2700, 0.3794

Rectangle

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



50.3447, 0.2275, 0.2553



50.3447, 0.2840, 0.2532



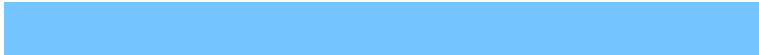
50.3447, 0.4034, 0.3985



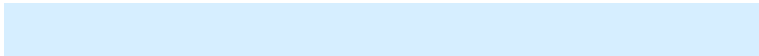
50.3447, 0.3352, 0.4203

Sweetspot

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



50.3441, 0.2275, 0.2553



82.5835, 0.2876, 0.3111



78.1935, 0.2789, 0.4326



17.2360, 0.2844, 0.3086



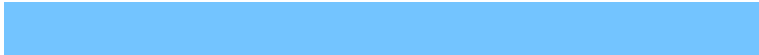
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.3441, 0.2275, 0.2553



43.5472, 0.2130, 0.2372



25.9529, 0.2087, 0.1658



19.1237, 0.2979, 0.3187



15.0679, 0.1846, 0.1844



1.6835, 0.1896, 0.2025

Inverse Universe

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



37.5035, 0.3790, 0.2479



31.4921, 0.3993, 0.2360



86.7976, 0.3979, 0.4516



18.1633, 0.3203, 0.3153



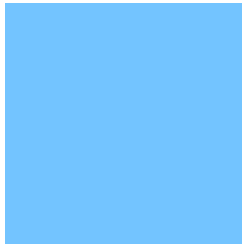
12.2491, 0.4633, 0.2326



1.2145, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 50.3447, 0.2275, 0.2553 looks on a white background.

Color Contrast Check

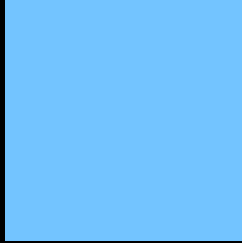
Large Text (above 18pt) WCAG AA × Fail

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 50.3447, 0.2275, 0.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

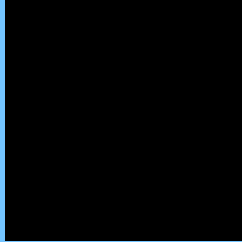
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

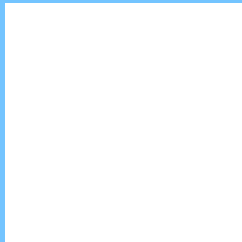
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3447, 0.2275, 0.2553

Background



This preview shows how black text looks on a background with the Yxy color 50.3447, 0.2275, 0.2553.



This preview shows how white text looks on a background with the Yxy color 50.3447, 0.2275, 0.2553.

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

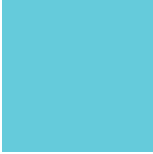
50.3447, 0.2275, 0.2553

Protanopia

49.9594, 0.2592, 0.2554

Deuteranopia

50.0249, 0.2522, 0.2468



Tritanopia

50.5930, 0.2397, 0.3070

Trichromacy



Original Color

50.3447, 0.2275, 0.2553

Protanomaly

49.7813, 0.2459, 0.2549

Deuteranomaly

49.8182, 0.2417, 0.2494

Tritanomaly

50.1989, 0.2349, 0.2865

Monochromacy



Original Color

50.3447, 0.2275, 0.2553

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.2708, 0.2742, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3447, 0.2275, 0.2553 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(115, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 196, 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(115, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.3447, 0.2275, 0.2553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

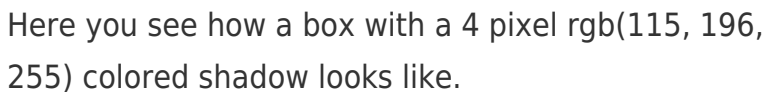
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 196, 255) }
```

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

```
.border{ border-color:rgb(115, 196, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 196, 255); box-shadow:4px 4px 4px 4px rgb(115, 196, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3447, 0.2275, 0.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 196, 255) }
```

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

```
.background{ background-color: rgb(115,  
196, 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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