

Converting Colors

$Yxy(55.3678, 0.2019, 0.1987)$

Have a look what the booklet for
Yxy(55.3678, 0.2019, 0.1987)
contains.

| | |
|--|----|
| Yxy(50.5512, 0.2236, 0.2572) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(50.5512, 0.2236, 0.2572)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 68C6FF |
| RGB | 104, 198, 255 |
| RGB Percent | 41%, 78%, 100% |
| CMY | 0.5924, 0.2235, 0.0000 |
| CMYK | 0.59, 0.22, 0.00, 0.00 |
| HSL | 203°, 100%, 70% |
| HSV | 203°, 59%, 100% |
| XYZ | 43.9473, 50.5512, 102.0458 |
| YIQ | 176.3920, -74.3210, -2.2010 |

Conversions

Conversions Part 2

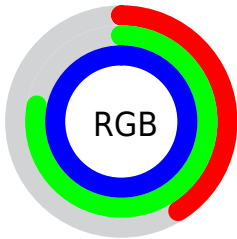
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 104, 162, 255 |
| Decimal | 6866687 |
| CIELab | 76.41, -11.67, -36.40 |
| CIELCh | 76, 38.226, 252.227 |
| Yxy | 50.5512, 0.2236, 0.2572 |
| Android (android.graphics.Color) | 4285056767 (0xFF68C6FF) |
| YUV | 176.3920, 38.7537, -63.4878 |
| Hunter-Lab | 71.0994, -14.0911, -35.3268 |

Details

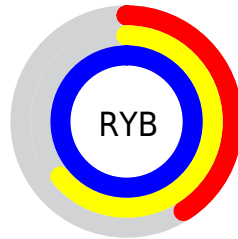
The Yxy color **50.5512, 0.2236, 0.2572** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.7245, 0.4572, 0.3864**, and the grayscale version is **43.4485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **24.2304, 0.2020, 0.2380** is the 20% darker color. If you saturate the color by 10%, you get **44.9922, 0.2118, 0.2425**, and if you desaturate by 10%, it is **56.8543, 0.2370, 0.2714**.

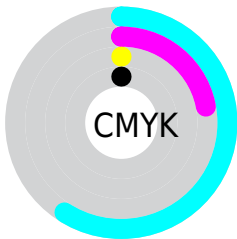
Distribution



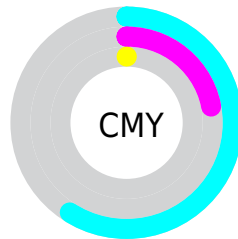
- Red (41%)
- Green (78%)
- Blue (100%)



- Red (41%)
- Yellow (64%)
- Blue (100%)



- Cyan (59%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5512, 0.2236, 0.2572 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 50.5512, 0.2236, 0.2572 by changing the saturation by 10% instead.


 50.5512, 0.2236,
0.2572

 50.5512, 0.2236,
0.2572

388.8176, 0.2656,
0.2923

 35.8516, 0.2140,
0.2489


 90.9910, 0.2382,
0.2697

 24.3196, 0.2022,
0.2384


 117.5000, 0.2439,
0.2744

 15.5709, 0.1873,
0.2251


 148.7142, 0.2488,
0.2785

 9.2210, 0.1683,
0.2076

185.0180, 0.2531,
0.2820

 4.8856, 0.1434,
0.1839

226.7959, 0.2568,
0.2851

 2.1803, 0.1102,
0.1507

274.4322, 0.2601,

 0.7092, 0.0568,

0.2878

0.1036

328.3113, 0.2630,
0.2902

0.0000, 0.0000,
0.0000

50.5512, 0.2236,
0.2572

50.5512, 0.2236,
0.2572

44.9922, 0.2118,
0.2425

56.8543, 0.2370,
0.2714

40.1237, 0.2020,
0.2277

63.9387, 0.2516,
0.2850

35.8910, 0.1943,
0.2131

71.8449, 0.2669,
0.2977

32.2115, 0.1887,
0.1989

80.6086, 0.2826,
0.3094

31.9458, 0.1883,
0.1978

90.2630, 0.2984,
0.3201

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



50.5512, 0.2198, 0.2884



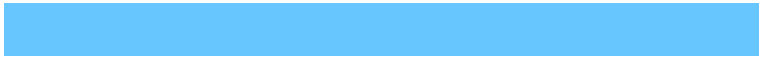
50.5512, 0.2236, 0.2572



50.5512, 0.2488, 0.2464

Triad

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



50.5512, 0.2236, 0.2572



50.5512, 0.3918, 0.3150



50.5512, 0.3265, 0.4195

Complementary

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



50.5512, 0.2236, 0.2572



47.7245, 0.4572, 0.3864

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.



50.5512, 0.3752, 0.4198



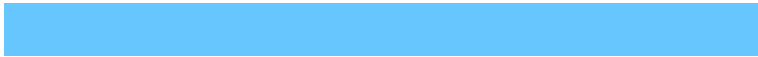
50.5512, 0.2236, 0.2572



50.5512, 0.4156, 0.3558

Square

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



50.5512, 0.2236, 0.2572



50.5512, 0.3450, 0.2792



50.5512, 0.4086, 0.3942



50.5512, 0.2764, 0.3876

Rectangle

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



50.5512, 0.2236, 0.2572



50.5512, 0.2760, 0.2500



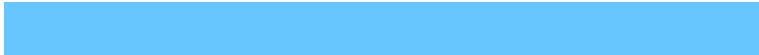
50.5512, 0.4086, 0.3942



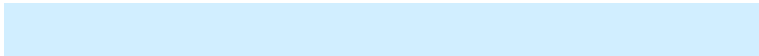
50.5512, 0.3436, 0.4232

Sweetspot

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



50.5530, 0.2236, 0.2572



81.7548, 0.2846, 0.3108



76.9731, 0.2809, 0.4527



16.9268, 0.2800, 0.3075



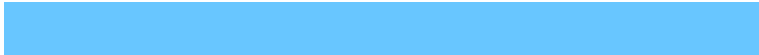
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.5530, 0.2236, 0.2572



44.0855, 0.2099, 0.2399



24.5969, 0.2020, 0.1605



19.2624, 0.2979, 0.3198



16.9895, 0.1889, 0.2001



1.8647, 0.1935, 0.2164

Inverse Universe

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



35.2273, 0.3787, 0.2366



29.7257, 0.3982, 0.2249



81.5931, 0.4079, 0.4534



18.1773, 0.3196, 0.3143



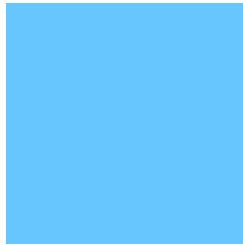
12.4431, 0.4452, 0.2226



1.2328, 0.4271, 0.2127

Previews

White Background



This preview shows how the Yxy color 50.5512, 0.2236, 0.2572 looks on a white background.

Color Contrast Check

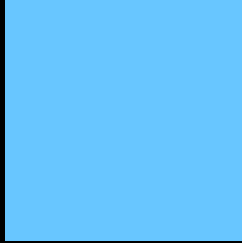
Large Text (above 18pt) WCAG AA × Fail

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 50.5512, 0.2236, 0.2572 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

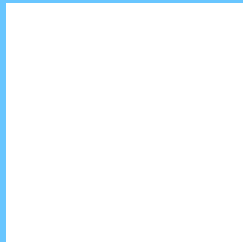
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5512, 0.2236, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 50.5512, 0.2236, 0.2572.



This preview shows how white text looks on a background with the Yxy color 50.5512, 0.2236, 0.2572.

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

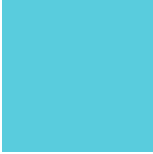
50.5512, 0.2236, 0.2572

Protanopia

49.9484, 0.2610, 0.2576

Deuteranopia

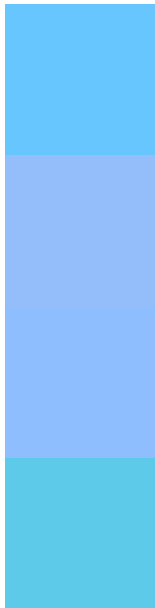
50.0249, 0.2522, 0.2468



Tritanopia

50.5300, 0.2343, 0.3055

Trichromacy



Original Color

50.5512, 0.2236, 0.2572

Protanomaly

49.8695, 0.2449, 0.2569

Deuteranomaly

49.8866, 0.2397, 0.2502

Tritanomaly

50.5039, 0.2302, 0.2875

Monochromacy



Original Color

50.5512, 0.2236, 0.2572

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.1728, 0.2712, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5512, 0.2236, 0.2572 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(104, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 198, 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(104, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.5512, 0.2236, 0.2572 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(104, 198, 255) }
```

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

```
.border{ border-color:rgb(104, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5512, 0.2236, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 198, 255) }
```

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

```
.background{ background-color: rgb(104,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor