

Converting Colors

$Y_{xy}(49.8106, 0.2252, 0.2544)$

Have a look what the booklet for
Yxy(49.8106, 0.2252, 0.2544)
contains.

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Color

Yxy(50.0149, 0.2254, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	6EC4FF
RGB	110, 196, 255
RGB Percent	43%, 77%, 100%
CMY	0.5689, 0.2313, 0.0001
CMYK	0.57, 0.23, 0.00, 0.00
HSL	204°, 100%, 72%
HSV	204°, 57%, 100%
XYZ	44.2092, 50.0149, 101.9127
YIQ	177.0120, -70.1950, 0.1170

Conversions

Conversions Part 2

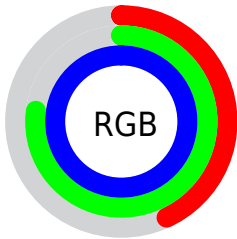
Format	Color
R _Y B	110, 164, 255
Decimal	7259391
CIE Lab	76.08, -9.49, -36.88
CIE LCh	76, 38.083, 255.573
Yxy	50.0149, 0.2254, 0.2550
Android (android.graphics.Color)	4285449471 (0xFF6EC4FF)
YUV	177.0120, 38.4481, -58.7695
Hunter-Lab	70.7212, -12.1782, -35.9349

Details

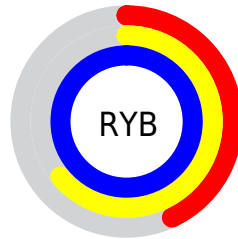
The Yxy color **50.0149, 0.2254, 0.2550** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.7106, 0.4465, 0.3890**, and the grayscale version is **43.7859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0166, 0.2649, 0.3267**, and **23.8546, 0.2040, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **44.0956, 0.2128, 0.2392**, and if you desaturate by 10%, it is **56.7311, 0.2395, 0.2703**.

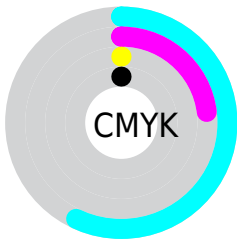
Distribution



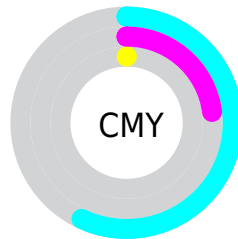
- Red (43%)
- Green (77%)
- Blue (100%)



- Red (43%)
- Yellow (64%)
- Blue (100%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0149, 0.2254, 0.2550 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 50.0149, 0.2254, 0.2550 by changing the saturation by 10% instead.


 50.0149, 0.2254,
0.2550


 50.0149, 0.2254,
0.2550

386.7242, 0.2667,
0.2910


 35.4252, 0.2159,
0.2465


 90.1970, 0.2398,
0.2678

 23.9906, 0.2042,
0.2358


 116.5581, 0.2454,
0.2727

 15.3267, 0.1895,
0.2222


 147.6119, 0.2502,
0.2769

 9.0490, 0.1707,
0.2044

183.7428, 0.2544,
0.2805

 4.7731, 0.1459,
0.1803

225.3350, 0.2580,
0.2836

 2.1148, 0.1128,
0.1468

272.7731, 0.2613,

 0.6729, 0.0599,

0.2864

0.0988

326.4413, 0.2641,
0.2889

0.0000, 0.0000,
0.0000

50.0149, 0.2254,
0.2550

50.0149, 0.2254,
0.2550

44.0956, 0.2128,
0.2392

56.7311, 0.2395,
0.2703

38.9196, 0.2020,
0.2232

64.2816, 0.2546,
0.2848

34.4333, 0.1934,
0.2073

72.7076, 0.2703,
0.2983

30.5677, 0.1871,
0.1919

82.0451, 0.2863,
0.3107

29.4623, 0.1853,
0.1872

92.3280, 0.3020,
0.3219

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



50.0149, 0.2191, 0.2840



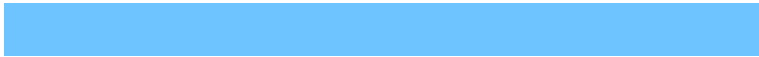
50.0149, 0.2254, 0.2550



50.0149, 0.2528, 0.2465

Triad

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



50.0149, 0.2254, 0.2550



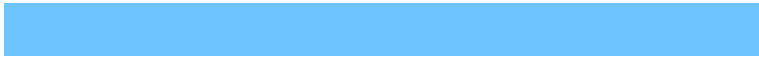
50.0149, 0.3958, 0.3194



50.0149, 0.3207, 0.4175

Complementary

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



50.0149, 0.2254, 0.2550



50.7106, 0.4465, 0.3890

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.



50.0149, 0.3702, 0.4212



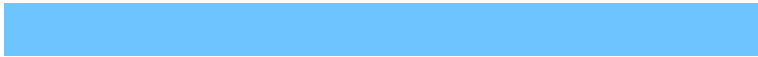
50.0149, 0.2254, 0.2550



50.0149, 0.4163, 0.3604

Square

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



50.0149, 0.2254, 0.2550



50.0149, 0.3508, 0.2827



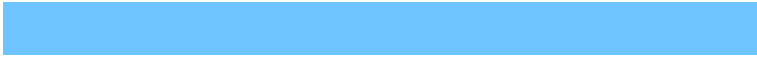
50.0149, 0.4060, 0.3979



50.0149, 0.2713, 0.3825

Rectangle

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



50.0149, 0.2254, 0.2550



50.0149, 0.2813, 0.2514



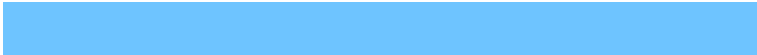
50.0149, 0.4060, 0.3979



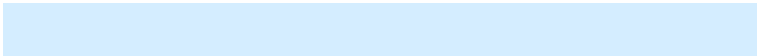
50.0149, 0.3379, 0.4223

Sweetspot

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



50.0167, 0.2254, 0.2550



81.9540, 0.2861, 0.3106



77.6413, 0.2793, 0.4404



17.1243, 0.2829, 0.3082



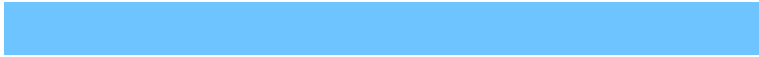
0.0000, 0.0000, 0.0000



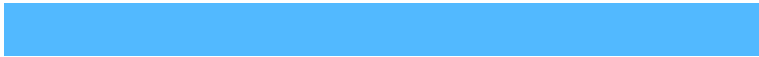
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0167, 0.2254, 0.2550



43.4940, 0.2115, 0.2374



25.0502, 0.2053, 0.1621



19.1705, 0.2979, 0.3191



15.6984, 0.1860, 0.1897



1.7433, 0.1909, 0.2072

Inverse Universe

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



36.3765, 0.3799, 0.2435



30.7170, 0.3997, 0.2320



84.9789, 0.4019, 0.4533



18.1681, 0.3201, 0.3150



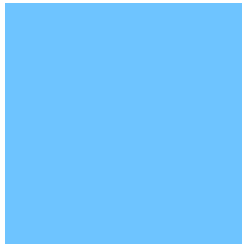
12.3127, 0.4571, 0.2292



1.2205, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 50.0149, 0.2254, 0.2550 looks on a white background.

Color Contrast Check

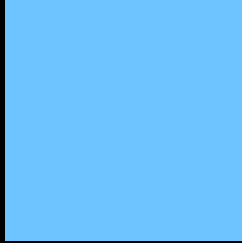
Large Text (above 18pt) WCAG AA × Fail

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 50.0149, 0.2254, 0.2550 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

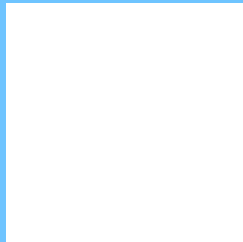
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0149, 0.2254, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 50.0149, 0.2254, 0.2550.

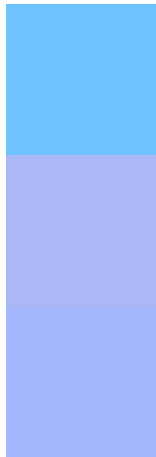


This preview shows how white text looks on a background with the Yxy color 50.0149, 0.2254, 0.2550.

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

50.0149, 0.2254, 0.2550

Protanopia

49.4808, 0.2597, 0.2552

Deuteranopia

49.5003, 0.2514, 0.2454



Tritanopia

50.3131, 0.2377, 0.3069

Trichromacy



Original Color

50.0149, 0.2254, 0.2550

Protanomaly

49.1019, 0.2450, 0.2544

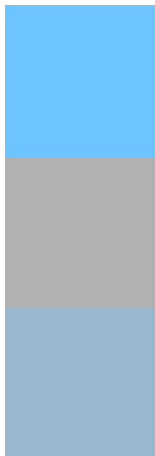
Deuteranomaly

49.2062, 0.2403, 0.2479

Tritanomaly

49.9014, 0.2328, 0.2863

Monochromacy



Original Color

50.0149, 0.2254, 0.2550

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.4611, 0.2733, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0149, 0.2254, 0.2550 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(110, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.0149, 0.2254, 0.2550 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(110, 196, 255) }
```

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

```
.border{ border-color:rgb(110, 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(110, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0149, 0.2254, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 196, 255) }
```

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

```
.background{ background-color: rgb(110,  
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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