

Converting Colors

$Y_{xy}(46.0412, 0.2157, 0.2450)$

Have a look what the booklet for
Yxy(46.0412, 0.2157, 0.2450)
contains.

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Color

Yxy(46.1708, 0.2157, 0.2454)

Conversions

Conversions Part 1

Format	Color
Hex	59BEFF
RGB	89, 190, 255
RGB Percent	35%, 75%, 100%
CMY	0.6511, 0.2549, 0.0000
CMYK	0.65, 0.25, 0.00, 0.00
HSL	203°, 100%, 67%
HSV	203°, 65%, 100%
XYZ	40.5829, 46.1708, 101.3914
YIQ	167.2110, -81.0610, -1.1970

Conversions

Conversions Part 2

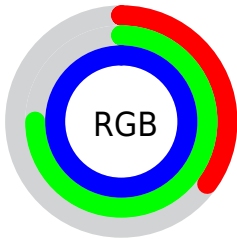
Format	Color
R _Y B	89, 152, 255
Decimal	5881599
CIE Lab	73.66, -9.94, -40.72
CIE LCh	74, 41.920, 256.279
Yxy	46.1708, 0.2157, 0.2454
Android (android.graphics.Color)	4284071679 (0xFF59BEFF)
YUV	167.2110, 43.2800, -68.5910
Hunter-Lab	67.9491, -12.3010, -40.9062

Details

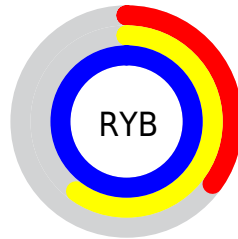
The Yxy color **46.1708, 0.2157, 0.2454** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **45.0845, 0.4749, 0.3922**, and the grayscale version is **38.5644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9038, 0.2559, 0.3187**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.9436, 0.2048, 0.2300**, and if you desaturate by 10%, it is **52.1323, 0.2284, 0.2605**.

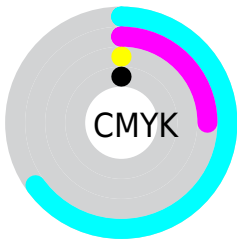
Distribution



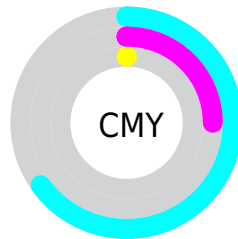
- Red (35%)
- Green (75%)
- Blue (100%)



- Red (35%)
- Yellow (60%)
- Blue (100%)



- Cyan (65%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1708, 0.2157, 0.2454 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 46.1708, 0.2157, 0.2454 by changing the saturation by 10% instead.

46.1708, 0.2157,
0.2454

46.1708, 0.2157,
0.2454

371.4949, 0.2619,
0.2864

32.3806, 0.2051,
0.2357

84.4746, 0.2318,
0.2600

21.6524, 0.1920,
0.2235

109.7569, 0.2381,
0.2655

13.6017, 0.1757,
0.2081

139.6388, 0.2434,
0.2703

7.8442, 0.1548,
0.1879

174.5046, 0.2481,
0.2744

3.9954, 0.1277,
0.1608

214.7387, 0.2522,
0.2780

1.6710, 0.0925,
0.1241

260.7256, 0.2558,

0.4048, 0.0229,

0.2811

0.0653

312.8495, 0.2590,
0.2839

0.0000, 0.0000,
0.0000

46.1708, 0.2157,
0.2454

46.1708, 0.2157,
0.2454

40.9436, 0.2048,
0.2300

52.1323, 0.2284,
0.2605

36.3953, 0.1960,
0.2147

58.8723, 0.2425,
0.2751

32.4622, 0.1895,
0.1998

66.4330, 0.2576,
0.2889

30.7187, 0.1868,
0.1926

74.8523, 0.2733,
0.3016

84.1653, 0.2891,
0.3134

■ 94.4048, 0.3048,
0.3240

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.



46.1708, 0.2081, 0.2766



46.1708, 0.2157, 0.2454



46.1708, 0.2464, 0.2370

Triad

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



46.1708, 0.2157, 0.2454



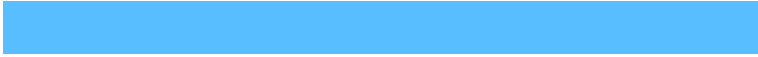
46.1708, 0.4077, 0.3186



46.1708, 0.3196, 0.4295

Complementary

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



46.1708, 0.2157, 0.2454



45.0845, 0.4749, 0.3922

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.



46.1708, 0.3755, 0.4335



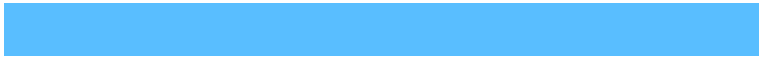
46.1708, 0.2157, 0.2454



46.1708, 0.4299, 0.3641

Square

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



46.1708, 0.2157, 0.2454



46.1708, 0.3569, 0.2780



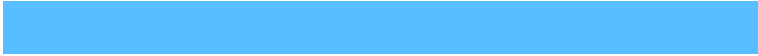
46.1708, 0.4168, 0.4064



46.1708, 0.2645, 0.3887

Rectangle

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



46.1708, 0.2157, 0.2454



46.1708, 0.2783, 0.2430



46.1708, 0.4168, 0.4064



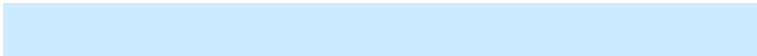
46.1708, 0.3389, 0.4351

Sweetspot

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



46.1715, 0.2157, 0.2454



79.4933, 0.2814, 0.3078



75.9303, 0.2784, 0.4637



16.4617, 0.2769, 0.3044



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.



46.1715, 0.2157, 0.2454



39.5598, 0.2021, 0.2256



20.1420, 0.1904, 0.1391



19.2175, 0.2979, 0.3195



16.3503, 0.1875, 0.1950



1.8047, 0.1922, 0.2119

Inverse Universe

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



32.1195, 0.3912, 0.2323



27.2776, 0.4143, 0.2233



81.7596, 0.4142, 0.4643



18.1728, 0.3198, 0.3146



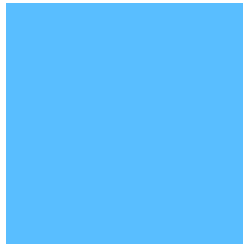
12.3785, 0.4509, 0.2258



1.2267, 0.4320, 0.2154

Previews

White Background



This preview shows how the Yxy color 46.1708, 0.2157, 0.2454 looks on a white background.

Color Contrast Check

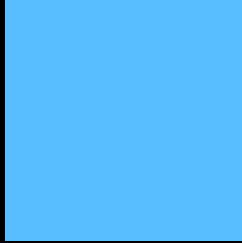
Large Text (above 18pt) WCAG AA × Fail

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 46.1708, 0.2157, 0.2454 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

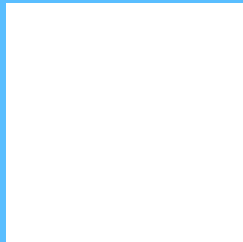
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1708, 0.2157, 0.2454

Background



This preview shows how black text looks on a background with the Yxy color 46.1708, 0.2157, 0.2454.

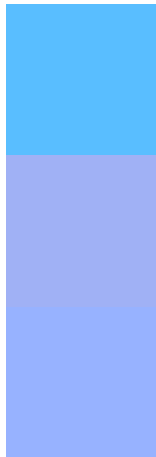


This preview shows how white text looks on a background with the Yxy color 46.1708, 0.2157, 0.2454.

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

46.1708, 0.2157, 0.2454

Protanopia

45.5104, 0.2525, 0.2461

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

46.4015, 0.2279, 0.3058

Trichromacy



Original Color

46.1708, 0.2157, 0.2454

Protanomaly

45.3638, 0.2359, 0.2451

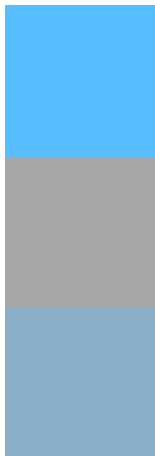
Deuteranomaly

45.2651, 0.2299, 0.2383

Tritanomaly

46.1432, 0.2228, 0.2818

Monochromacy



Original Color

46.1708, 0.2157, 0.2454

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.2724, 0.2659, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1708, 0.2157, 0.2454 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(89, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 190, 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(89, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.1708, 0.2157, 0.2454 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(89, 190, 255) }
```

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

```
.border{ border-color:rgb(89, 190, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 190, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1708, 0.2157, 0.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 190, 255) }
```

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

```
.background{ background-color: rgb(89, 190,  
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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