

Converting Colors

$Y_{xy}(46.1593, 0.2258, 0.2424)$

Have a look what the booklet for
Yxy(46.1593, 0.2258, 0.2424)
contains.

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Color

Yxy(46.1197, 0.2257, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	75BAFF
RGB	117, 186, 255
RGB Percent	46%, 73%, 100%
CMY	0.5407, 0.2707, 0.0000
CMYK	0.54, 0.27, 0.00, 0.00
HSL	210°, 100%, 73%
HSV	210°, 54%, 100%
XYZ	42.9600, 46.1197, 101.2616
YIQ	173.2350, -63.2730, 6.8310

Conversions

Conversions Part 2

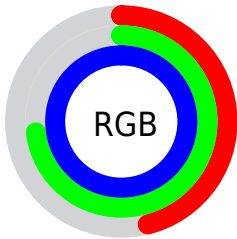
Format	Color
R _Y B	117, 163, 255
Decimal	7715583
CIE Lab	73.62, -2.59, -40.70
CIE LCh	74, 40.780, 266.360
Yxy	46.1197, 0.2257, 0.2423
Android (android.graphics.Color)	4285905663 (0xFF75BAFF)
YUV	173.2350, 40.3101, -49.3181
Hunter-Lab	67.9115, -5.9280, -40.8682

Details

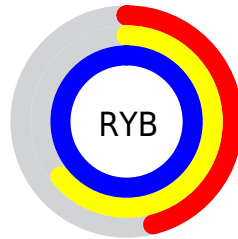
The Yxy color **46.1197, 0.2257, 0.2423** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.7300, 0.4293, 0.3995**, and the grayscale version is **41.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9544, 0.2664, 0.3146**, and **21.5823, 0.2038, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **39.4453, 0.2112, 0.2227**, and if you desaturate by 10%, it is **53.7566, 0.2414, 0.2612**.

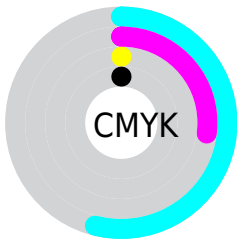
Distribution



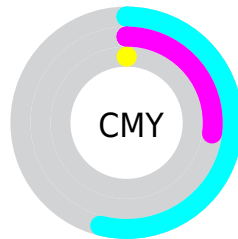
- Red (46%)
- Green (73%)
- Blue (100%)



- Red (46%)
- Yellow (64%)
- Blue (100%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1197, 0.2257, 0.2423 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 46.1197, 0.2257, 0.2423 by changing the saturation by 10% instead.


 46.1197, 0.2257,
0.2423

 46.1197, 0.2257,
0.2423


371.2897, 0.2675,
0.2843


 32.3403, 0.2160,
0.2325


 84.3981, 0.2404,
0.2571

 21.6215, 0.2040,
0.2203


 109.6659, 0.2460,
0.2628

 13.5791, 0.1888,
0.2048

 139.5319, 0.2509,
0.2677

 7.8285, 0.1692,
0.1847

174.3806, 0.2551,
0.2719

 3.9854, 0.1434,
0.1579

214.5963, 0.2588,
0.2756

 1.6654, 0.1089,
0.1218

260.5635, 0.2620,

 0.4011, 0.0501,

0.2788

0.0631

312.6665, 0.2649,
0.2817

0.0000, 0.0000,
0.0000

46.1197, 0.2257,
0.2423

46.1197, 0.2257,
0.2423

39.4453, 0.2112,
0.2227

53.7566, 0.2414,
0.2612

33.6796, 0.1985,
0.2029

62.4024, 0.2577,
0.2790

28.7636, 0.1880,
0.1834

72.1013, 0.2743,
0.2955

24.6267, 0.1800,
0.1648

82.8942, 0.2906,
0.3105

22.4863, 0.1762,
0.1543

94.8195, 0.3065,
0.3239

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.



46.1197, 0.2105, 0.2653



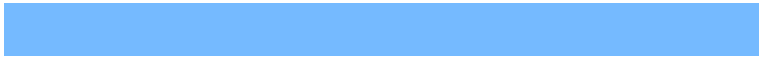
46.1197, 0.2257, 0.2423



46.1197, 0.2628, 0.2410

Triad

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



46.1197, 0.2257, 0.2423



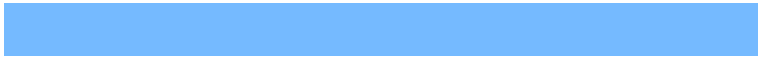
46.1197, 0.4161, 0.3338



46.1197, 0.3007, 0.4168

Complementary

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



46.1197, 0.2257, 0.2423



57.7300, 0.4293, 0.3995

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.



46.1197, 0.3566, 0.4333



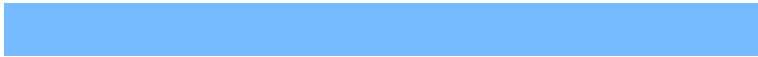
46.1197, 0.2257, 0.2423



46.1197, 0.4262, 0.3782

Square

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



46.1197, 0.2257, 0.2423



46.1197, 0.3744, 0.2917



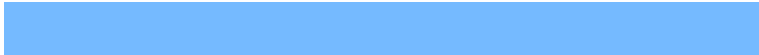
46.1197, 0.4032, 0.4158



46.1197, 0.2506, 0.3682

Rectangle

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



46.1197, 0.2257, 0.2423



46.1197, 0.2975, 0.2510



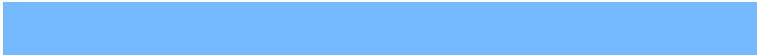
46.1197, 0.4032, 0.4158



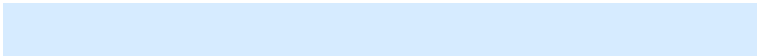
46.1197, 0.3194, 0.4265

Sweetspot

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



46.1201, 0.2257, 0.2423



80.7194, 0.2875, 0.3077



78.8591, 0.2739, 0.4155



16.7918, 0.2841, 0.3046



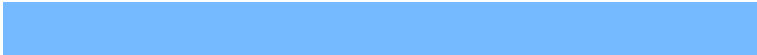
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.1201, 0.2257, 0.2423



38.8689, 0.2100, 0.2209



23.7646, 0.2076, 0.1553



18.8765, 0.2979, 0.3168



12.0481, 0.1770, 0.1572



1.3915, 0.1827, 0.1777

Inverse Universe

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



37.5578, 0.3902, 0.2595



31.4258, 0.4147, 0.2493



94.0675, 0.3911, 0.4587



18.1384, 0.3215, 0.3172



11.9442, 0.4967, 0.2510



1.1850, 0.4712, 0.2370

Previews

White Background



This preview shows how the Yxy color 46.1197, 0.2257, 0.2423 looks on a white background.

Color Contrast Check

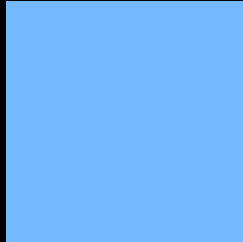
Large Text (above 18pt) WCAG AA × Fail

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 46.1197, 0.2257, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

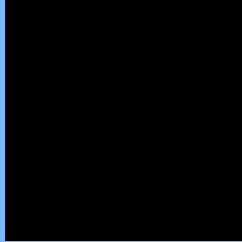
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

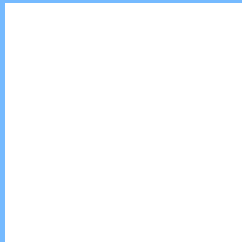
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1197, 0.2257, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 46.1197, 0.2257, 0.2423.



This preview shows how white text looks on a background with the Yxy color 46.1197, 0.2257, 0.2423.

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

46.1197, 0.2257, 0.2423

Protanopia

45.9890, 0.2504, 0.2442

Deuteranopia

45.7362, 0.2423, 0.2362



Tritanopia

46.0034, 0.2416, 0.3062

Trichromacy



Original Color

46.1197, 0.2257, 0.2423

Protanomaly

45.9421, 0.2403, 0.2429

Deuteranomaly

45.7567, 0.2355, 0.2383

Tritanomaly

45.8784, 0.2356, 0.2813

Monochromacy



Original Color

46.1197, 0.2257, 0.2423

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.9249, 0.2739, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1197, 0.2257, 0.2423 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(117, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 186, 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(117, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.1197, 0.2257, 0.2423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

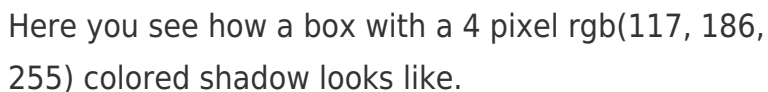
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 186, 255) }
```

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

```
.border{ border-color:rgb(117, 186, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 186, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 186, 255); box-shadow:4px 4px 4px 4px rgb(117, 186, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1197, 0.2257, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 186, 255) }
```

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

```
.background{ background-color: rgb(117,  
186, 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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