

Converting Colors

$Yxy(50.5368, 0.2304, 0.2538)$

Have a look what the booklet for
Yxy(50.5368, 0.2304, 0.2538)
contains.

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Color

Yxy(50.4612, 0.2308, 0.2547)

Conversions

Conversions Part 1

Format	Color
Hex	7BC3FF
RGB	123, 195, 255
RGB Percent	48%, 76%, 100%
CMY	0.5179, 0.2352, 0.0000
CMYK	0.52, 0.24, 0.00, 0.00
HSL	207°, 100%, 74%
HSV	207°, 52%, 100%
XYZ	45.7261, 50.4612, 101.9328
YIQ	180.3120, -62.1720, 3.3960

Conversions

Conversions Part 2

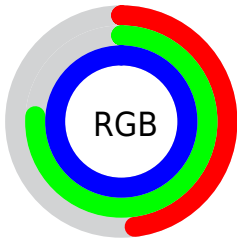
Format	Color
R _Y B	123, 170, 255
Decimal	8111103
CIE Lab	76.35, -6.28, -36.42
CIE LCh	76, 36.962, 260.212
Yxy	50.4612, 0.2308, 0.2547
Android (android.graphics.Color)	4286301183 (0xFF7BC3FF)
YUV	180.3120, 36.8212, -50.2626
Hunter-Lab	71.0360, -9.4121, -35.3526

Details

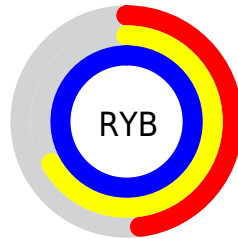
The Yxy color **50.4612, 0.2308, 0.2547** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5238, 0.4268, 0.3908**, and the grayscale version is **45.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1594, 0.2706, 0.3246**, and **24.4153, 0.2112, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **43.8308, 0.2167, 0.2371**, and if you desaturate by 10%, it is **57.9875, 0.2461, 0.2715**.

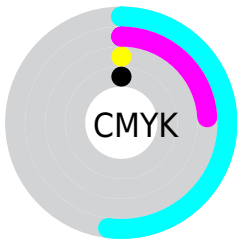
Distribution



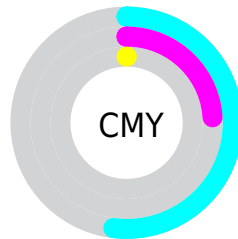
- Red (48%)
- Green (76%)
- Blue (100%)



- Red (48%)
- Yellow (67%)
- Blue (100%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4612, 0.2308, 0.2547 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 50.4612, 0.2308, 0.2547 by changing the saturation by 10% instead.

50.4612, 0.2308,
0.2547

50.4612, 0.2308,
0.2547

388.4668, 0.2697,
0.2906

35.7800, 0.2218,
0.2462

90.8578, 0.2444,
0.2674

24.2643, 0.2108,
0.2357

117.3421, 0.2497,
0.2723

15.5298, 0.1968,
0.2223

148.5294, 0.2542,
0.2765

9.1921, 0.1788,
0.2048

184.8043, 0.2581,
0.2801

4.8667, 0.1550,
0.1811

226.5510, 0.2615,
0.2832

2.1692, 0.1227,
0.1482

274.1541, 0.2646,

0.7031, 0.0741,

0.2860

0.1012

327.9979, 0.2673,
0.2884

0.0000, 0.0000,
0.0000

50.4612, 0.2308,
0.2547

50.4612, 0.2308,
0.2547

43.8308, 0.2167,
0.2371

57.9875, 0.2461,
0.2715

38.0429, 0.2042,
0.2192

66.4476, 0.2620,
0.2873

33.0450, 0.1938,
0.2013

75.8835, 0.2782,
0.3018

28.7735, 0.1857,
0.1839

86.3325, 0.2943,
0.3151

25.7342, 0.1806,
0.1702

97.8297, 0.3100,
0.3270

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



50.4612, 0.2214, 0.2799



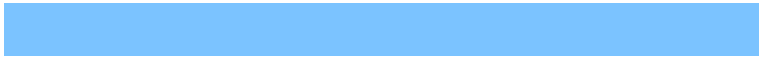
50.4612, 0.2308, 0.2547



50.4612, 0.2605, 0.2493

Triad

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



50.4612, 0.2308, 0.2547



50.4612, 0.3980, 0.3259



50.4612, 0.3128, 0.4110

Complementary

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



50.4612, 0.2308, 0.2547



56.5238, 0.4268, 0.3908

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.



50.4612, 0.3617, 0.4197



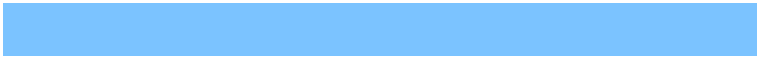
50.4612, 0.2308, 0.2547



50.4612, 0.4134, 0.3658

Square

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



50.4612, 0.2308, 0.2547



50.4612, 0.3573, 0.2891



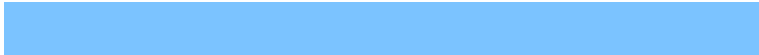
50.4612, 0.3992, 0.4007



50.4612, 0.2662, 0.3735

Rectangle

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



50.4612, 0.2308, 0.2547



50.4612, 0.2896, 0.2559



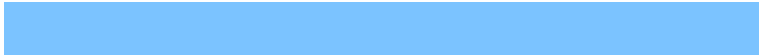
50.4612, 0.3992, 0.4007



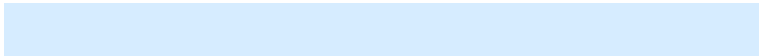
50.4612, 0.3295, 0.4174

Sweetspot

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



50.4630, 0.2308, 0.2547



81.8068, 0.2876, 0.3097



79.1164, 0.2780, 0.4198



17.0508, 0.2843, 0.3069



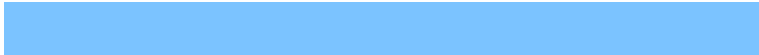
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.4630, 0.2308, 0.2547



43.7000, 0.2164, 0.2368



27.2714, 0.2140, 0.1710



19.0209, 0.2979, 0.3179



13.7498, 0.1814, 0.1730



1.5572, 0.1867, 0.1921

Inverse Universe

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



39.3519, 0.3785, 0.2561



33.2176, 0.3983, 0.2447



90.0643, 0.3915, 0.4491



18.1530, 0.3208, 0.3161



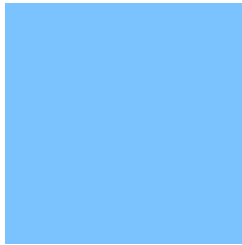
12.1160, 0.4770, 0.2402



1.2017, 0.4543, 0.2276

Previews

White Background



This preview shows how the Yxy color 50.4612, 0.2308, 0.2547 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 50.4612, 0.2308, 0.2547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

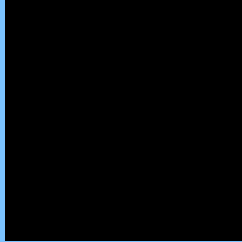
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

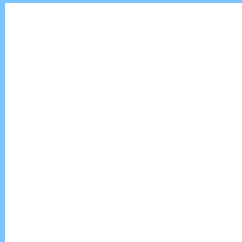
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4612, 0.2308, 0.2547

Background



This preview shows how black text looks on a background with the Yxy color 50.4612, 0.2308, 0.2547.



This preview shows how white text looks on a background with the Yxy color 50.4612, 0.2308, 0.2547.

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

50.4612, 0.2308, 0.2547

Protanopia

50.0213, 0.2587, 0.2543

Deuteranopia

50.1334, 0.2528, 0.2469



Tritanopia

50.6180, 0.2440, 0.3071

Trichromacy



Original Color

50.4612, 0.2308, 0.2547

Protanomaly

50.1325, 0.2471, 0.2542

Deuteranomaly

50.1945, 0.2439, 0.2498

Tritanomaly

50.2612, 0.2392, 0.2868

Monochromacy



Original Color

50.4612, 0.2308, 0.2547

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.5738, 0.2764, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4612, 0.2308, 0.2547 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(123, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 195, 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(123, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4612, 0.2308, 0.2547 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(123, 195, 255) }
```

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

```
.border{ border-color:rgb(123, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4612, 0.2308, 0.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 195, 255) }
```

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

```
.background{ background-color: rgb(123,  
195, 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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