

Converting Colors

$Yxy(46.7208, 0.2284, 0.2436)$

Have a look what the booklet for
Yxy(46.7208, 0.2284, 0.2436)
contains.

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Color

Yxy(46.9716, 0.2287, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	7BBBFF
RGB	123, 187, 255
RGB Percent	48%, 73%, 100%
CMY	0.5177, 0.2667, 0.0000
CMYK	0.52, 0.27, 0.00, 0.00
HSL	211°, 100%, 74%
HSV	211°, 52%, 100%
XYZ	43.9902, 46.9716, 101.3871
YIQ	175.6160, -59.9720, 7.5800

Conversions

Conversions Part 2

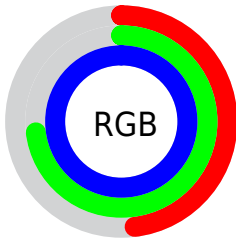
Format	Color
R _Y B	123, 166, 255
Decimal	8109055
CIE Lab	74.17, -1.91, -39.83
CIE LCh	74, 39.878, 267.255
Yxy	46.9716, 0.2287, 0.2442
Android (android.graphics.Color)	4286299135 (0xFF7BBBFF)
YUV	175.6160, 39.1363, -46.1442
Hunter-Lab	68.5358, -5.3663, -39.7344

Details

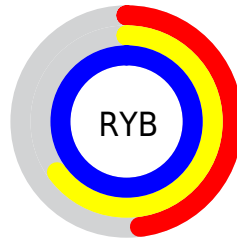
The Yxy color **46.9716, 0.2287, 0.2442** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.9390, 0.4220, 0.3987**, and the grayscale version is **43.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2663, 0.2697, 0.3158**, and **22.1195, 0.2077, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **40.0091, 0.2137, 0.2242**, and if you desaturate by 10%, it is **54.9318, 0.2448, 0.2635**.

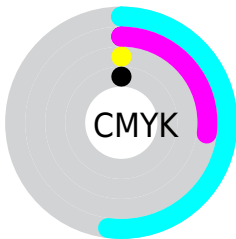
Distribution



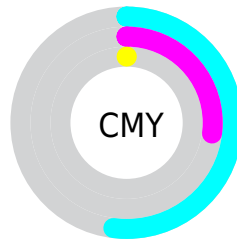
- Red (48%)
- Green (73%)
- Blue (100%)



- Red (48%)
- Yellow (65%)
- Blue (100%)



- Cyan (52%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9716, 0.2287, 0.2442 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 46.9716, 0.2287, 0.2442 by changing the saturation by 10% instead.


 46.9716, 0.2287,
0.2442


 46.9716, 0.2287,
0.2442


374.7012, 0.2690,
0.2851


 33.0132, 0.2193,
0.2346


 85.6712, 0.2429,
0.2586

 22.1366, 0.2077,
0.2227


 111.1813, 0.2483,
0.2642

 13.9573, 0.1930,
0.2076


 141.3106, 0.2530,
0.2689

 8.0910, 0.1741,
0.1881

176.4437, 0.2571,
0.2731

 4.1532, 0.1489,
0.1620

216.9649, 0.2606,
0.2766

 1.7596, 0.1150,
0.1265

263.2586, 0.2638,

 0.4618, 0.0603,

0.2798

0.0710

315.7092, 0.2665,
0.2826

0.0000, 0.0000,
0.0000

46.9716, 0.2287,
0.2442

46.9716, 0.2287,
0.2442

40.0091, 0.2137,
0.2242

54.9318, 0.2448,
0.2635

33.9942, 0.2003,
0.2038

63.9399, 0.2614,
0.2815

28.8672, 0.1891,
0.1836

74.0392, 0.2780,
0.2981

24.5593, 0.1803,
0.1643

85.2709, 0.2943,
0.3132

21.5517, 0.1749,
0.1495

97.6739, 0.3100,
0.3268

100.0000, 0.3127,
0.3290

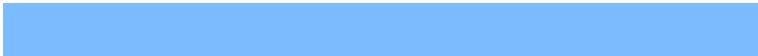
Harmonies

Analogous

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



46.9716, 0.2131, 0.2661



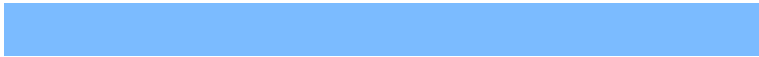
46.9716, 0.2287, 0.2442



46.9716, 0.2656, 0.2435

Triad

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



46.9716, 0.2287, 0.2442



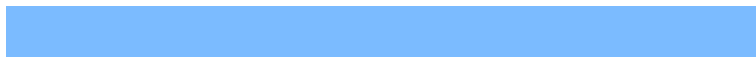
46.9716, 0.4140, 0.3352



46.9716, 0.2995, 0.4131

Complementary

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



46.9716, 0.2287, 0.2442



59.9390, 0.4220, 0.3987

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.



46.9716, 0.3541, 0.4304



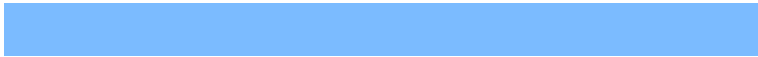
46.9716, 0.2287, 0.2442



46.9716, 0.4229, 0.3784

Square

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



46.9716, 0.2287, 0.2442



46.9716, 0.3743, 0.2938



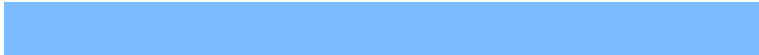
46.9716, 0.3998, 0.4145



46.9716, 0.2511, 0.3654

Rectangle

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



46.9716, 0.2287, 0.2442



46.9716, 0.2997, 0.2535



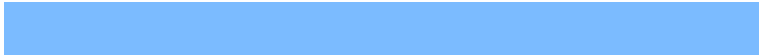
46.9716, 0.3998, 0.4145



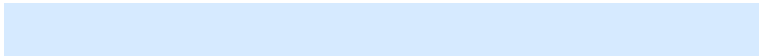
46.9716, 0.3177, 0.4229

Sweetspot

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



46.9708, 0.2287, 0.2442



80.3842, 0.2875, 0.3070



79.4027, 0.2749, 0.4110



16.7120, 0.2841, 0.3039



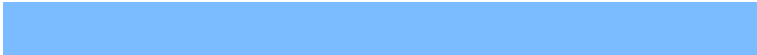
0.0000, 0.0000, 0.0000



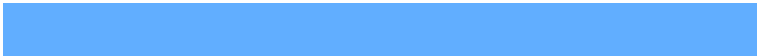
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9708, 0.2287, 0.2442



39.8633, 0.2134, 0.2237



25.5888, 0.2125, 0.1633



18.8318, 0.2979, 0.3164



11.5574, 0.1757, 0.1524



1.3429, 0.1815, 0.1733

Inverse Universe

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



39.0077, 0.3876, 0.2639



32.8303, 0.4107, 0.2539



94.2094, 0.3884, 0.4541



18.1339, 0.3218, 0.3175



11.8947, 0.5028, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 46.9716, 0.2287, 0.2442 looks on a white background.

Color Contrast Check

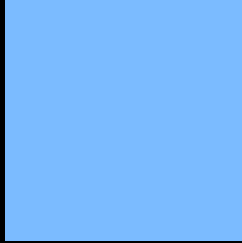
Large Text (above 18pt) WCAG AA × Fail

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 46.9716, 0.2287, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

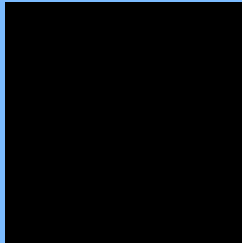
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

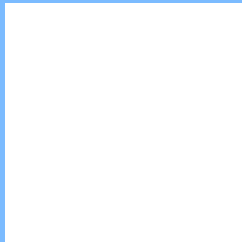
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9716, 0.2287, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 46.9716, 0.2287, 0.2442.



This preview shows how white text looks on a background with the Yxy color 46.9716, 0.2287, 0.2442.

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

46.9716, 0.2287, 0.2442

Protanopia

46.6568, 0.2513, 0.2447

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

46.9215, 0.2447, 0.3065

Trichromacy



Original Color

46.9716, 0.2287, 0.2442

Protanomaly

46.6240, 0.2422, 0.2446

Deuteranomaly

46.9266, 0.2381, 0.2413

Tritanomaly

46.7560, 0.2383, 0.2818

Monochromacy



Original Color

46.9716, 0.2287, 0.2442

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.2184, 0.2757, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9716, 0.2287, 0.2442 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, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 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, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9716, 0.2287, 0.2442 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, 187, 255) }
```

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

```
.border{ border-color:rgb(123, 187, 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, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 187, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 187, 255); box-shadow:4px 4px 4px 4px rgb(123, 187, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9716, 0.2287, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 255) }
```

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

```
.background{ background-color: rgb(123,  
187, 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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