

Converting Colors

$Y_{xy}(46.3671, 0.2283, 0.2424)$

Have a look what the booklet for
Yxy(46.3671, 0.2283, 0.2424)
contains.

Yxy(46.5488, 0.2285, 0.2429)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.5488, 0.2285, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	7BBAFF
RGB	123, 186, 255
RGB Percent	48%, 73%, 100%
CMY	0.5173, 0.2707, 0.0000
CMYK	0.52, 0.27, 0.00, 0.00
HSL	211°, 100%, 74%
HSV	211°, 52%, 100%
XYZ	43.7892, 46.5488, 101.2997
YIQ	175.0290, -59.6970, 8.1030

Conversions

Conversions Part 2

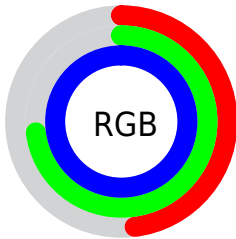
Format	Color
RYB	123, 166, 255
Decimal	8108799
CIELab	73.90, -1.33, -40.24
CIELCh	74, 40.266, 268.107
Yxy	46.5488, 0.2285, 0.2429
Android (android.graphics.Color)	4286298879 (0xFF7BBAFF)
YUV	175.0290, 39.4257, -45.6294
Hunter-Lab	68.2267, -4.8319, -40.2723

Details

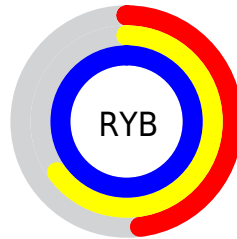
The Yxy color **46.5488, 0.2285, 0.2429** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.4412, 0.4212, 0.3997**, and the grayscale version is **42.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6693, 0.2696, 0.3147**, and **21.8444, 0.2073, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **39.5443, 0.2134, 0.2225**, and if you desaturate by 10%, it is **54.5690, 0.2447, 0.2625**.

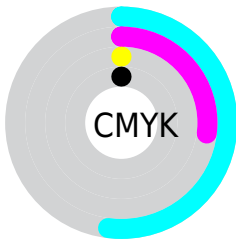
Distribution



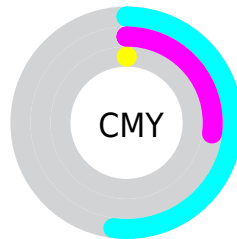
- Red (48%)
- Green (73%)
- Blue (100%)



- 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 46.5488, 0.2285, 0.2429 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 46.5488, 0.2285, 0.2429 by changing the saturation by 10% instead.

■ 46.5488, 0.2285,
0.2429

■ 46.5488, 0.2285,
0.2429

■ 373.0106, 0.2690,
0.2844

■ 32.6791, 0.2191,
0.2332

■ 85.0397, 0.2427,
0.2575

■ 21.8807, 0.2074,
0.2211

■ 110.4298, 0.2482,
0.2632

■ 13.7693, 0.1926,
0.2058

■ 140.4287, 0.2529,
0.2680

■ 7.9604, 0.1735,
0.1860

■ 175.4209, 0.2570,
0.2722

■ 4.0696, 0.1482,
0.1596

■ 215.7908, 0.2606,
0.2758

■ 1.7126, 0.1142,
0.1239

■ 261.9228, 0.2637,

■ 0.4318, 0.0586,

0.2790

0.0669

314.2013, 0.2665,
0.2819

0.0000, 0.0000,
0.0000

46.5488, 0.2285,
0.2429

46.5488, 0.2285,
0.2429

39.5443, 0.2134,
0.2225

54.5690, 0.2447,
0.2625

33.5009, 0.1999,
0.2018

63.6519, 0.2614,
0.2808

28.3594, 0.1885,
0.1814

73.8428, 0.2780,
0.2977

24.0503, 0.1797,
0.1619

85.1834, 0.2944,
0.3130

21.0353, 0.1741,
0.1467

97.7132, 0.3101,
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.



46.5488, 0.2121, 0.2644



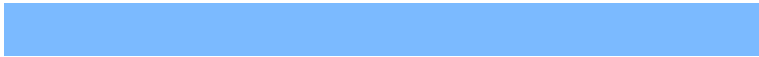
46.5488, 0.2285, 0.2429



46.5488, 0.2663, 0.2428

Triad

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



46.5488, 0.2285, 0.2429



46.5488, 0.4160, 0.3364



46.5488, 0.2977, 0.4133

Complementary

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



46.5488, 0.2285, 0.2429



60.4412, 0.4212, 0.3997

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.



46.5488, 0.3530, 0.4317



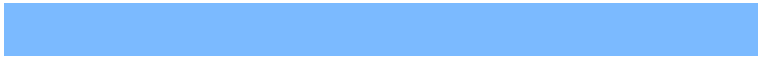
46.5488, 0.2285, 0.2429



46.5488, 0.4240, 0.3800

Square

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



46.5488, 0.2285, 0.2429



46.5488, 0.3765, 0.2945



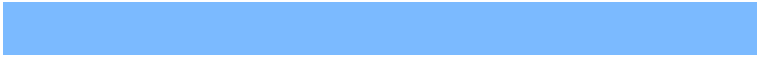
46.5488, 0.3998, 0.4163



46.5488, 0.2492, 0.3643

Rectangle

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



46.5488, 0.2285, 0.2429



46.5488, 0.3010, 0.2533



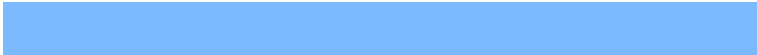
46.5488, 0.3998, 0.4163



46.5488, 0.3161, 0.4235

Sweetspot

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



46.5493, 0.2285, 0.2429



80.1941, 0.2875, 0.3067



79.5106, 0.2739, 0.4081



16.6668, 0.2841, 0.3035



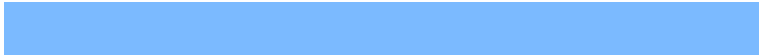
0.0000, 0.0000, 0.0000



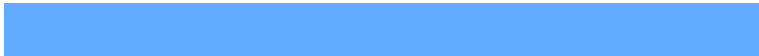
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5493, 0.2285, 0.2429



39.3666, 0.2130, 0.2220



25.7921, 0.2140, 0.1640



18.8065, 0.2979, 0.3162



11.2860, 0.1749, 0.1497



1.3159, 0.1808, 0.1708

Inverse Universe

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



38.9944, 0.3887, 0.2650



32.7801, 0.4124, 0.2552



93.7979, 0.3868, 0.4548



18.1313, 0.3219, 0.3177



11.8673, 0.5063, 0.2563



1.1774, 0.4796, 0.2416

Previews

White Background



This preview shows how the Yxy color 46.5488, 0.2285, 0.2429 looks on a white background.

Color Contrast Check

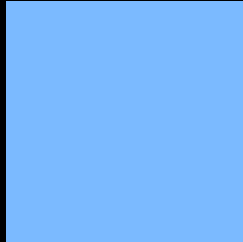
Large Text (above 18pt) WCAG AA × Fail

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 46.5488, 0.2285, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

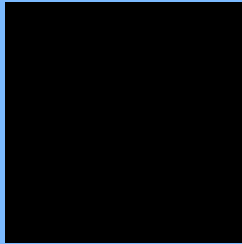
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

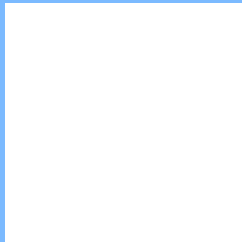
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5488, 0.2285, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 46.5488, 0.2285, 0.2429.



This preview shows how white text looks on a background with the Yxy color 46.5488, 0.2285, 0.2429.

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

46.5488, 0.2285, 0.2429

Protanopia

46.1539, 0.2505, 0.2433

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

46.4249, 0.2449, 0.3064

Trichromacy



Original Color

46.5488, 0.2285, 0.2429

Protanomaly

46.2158, 0.2420, 0.2433

Deuteranomaly

46.5155, 0.2379, 0.2400

Tritanomaly

46.2633, 0.2385, 0.2817

Monochromacy



Original Color

46.5488, 0.2285, 0.2429

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6678, 0.2756, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5488, 0.2285, 0.2429 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5488, 0.2285, 0.2429 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, 186, 255) }
```

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

```
.border{ border-color:rgb(123, 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(123, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5488, 0.2285, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 255) }
```

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

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