

Converting Colors

$Y_{xy}(46.9189, 0.2423, 0.2861)$

Have a look what the booklet for
Yxy(46.9189, 0.2423, 0.2861)
contains.

Yxy(46.9326, 0.2422, 0.2858)	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(46.9326, 0.2422, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	76C0E0
RGB	118, 192, 224
RGB Percent	46%, 75%, 88%
CMY	0.5375, 0.2470, 0.1214
CMYK	0.47, 0.14, 0.00, 0.12
HSL	198°, 63%, 67%
HSV	198°, 47%, 88%
XYZ	39.7728, 46.9326, 77.5094
YIQ	173.5220, -54.3760, -5.7360

Conversions

Conversions Part 2

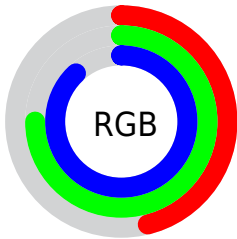
Format	Color
R _Y B	118, 162, 224
Decimal	7782624
CIE Lab	74.15, -14.58, -23.15
CIE LCh	74, 27.361, 237.801
Yxy	46.9326, 0.2422, 0.2858
Android (android.graphics.Color)	4285972704 (0xFF76C0E0)
YUV	173.5220, 24.8857, -48.6928
Hunter-Lab	68.5074, -16.2574, -19.1257

Details

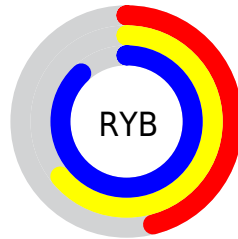
The Yxy color **46.9326, 0.2422, 0.2858** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.9627, 0.4231, 0.3670**, and the grayscale version is **41.9557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4688, 0.2667, 0.3212**, and **21.9713, 0.2233, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **42.6463, 0.2296, 0.2748**, and if you desaturate by 10%, it is **51.7313, 0.2560, 0.2963**.

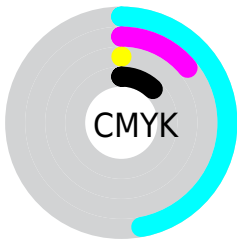
Distribution



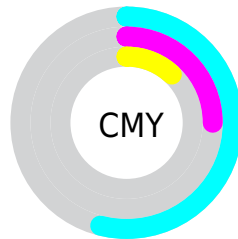
- Red (46%)
- Green (75%)
- Blue (88%)



- Red (46%)
- Yellow (64%)
- Blue (88%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)



- Cyan (54%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9326, 0.2422, 0.2858 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 46.9326, 0.2422, 0.2858 by changing the saturation by 10% instead.

■ 46.9326, 0.2422,
0.2858

■ 46.9326, 0.2422,
0.2858

■ 374.5454, 0.2764,
0.3078

■ 32.9824, 0.2341,
0.2803

■ 85.6130, 0.2543,
0.2938

■ 22.1129, 0.2238,
0.2731

■ 111.1120, 0.2590,
0.2969

■ 13.9399, 0.2107,
0.2637

■ 141.2293, 0.2629,
0.2994

■ 8.0789, 0.1932,
0.2507

■ 176.3494, 0.2664,
0.3016

■ 4.1455, 0.1691,
0.2316

■ 216.8567, 0.2694,
0.3034

■ 1.7553, 0.1343,
0.2019

■ 263.1355, 0.2720,

■ 0.4591, 0.0253,

0.3051

0.1444

315.5703, 0.2743,
0.3065

0.0000, 0.0000,
0.0000

46.9326, 0.2422,
0.2858

46.9326, 0.2422,
0.2858

42.6463, 0.2296,
0.2748

51.7313, 0.2560,
0.2963

38.8386, 0.2187,
0.2635

57.0630, 0.2707,
0.3061

35.4788, 0.2095,
0.2519

62.9534, 0.2859,
0.3151

32.5296, 0.2025,
0.2404

69.4247, 0.3014,
0.3234

29.9415, 0.1973,
0.2291

76.4977, 0.3168,
0.3309

■ 29.2969, 0.1961,
0.2261

■ 84.1922, 0.3318,
0.3376

■ 88.5829, 0.3328,
0.3442

■ 92.6253, 0.3320,
0.3507

■ 96.8175, 0.3312,
0.3571

Harmonies

Analogous

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



46.9326, 0.2477, 0.3161



46.9326, 0.2422, 0.2858



46.9326, 0.2539, 0.2693

Triad

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



46.9326, 0.2422, 0.2858



46.9326, 0.3557, 0.3052



46.9326, 0.3419, 0.3976

Complementary

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



46.9326, 0.2422, 0.2858



38.9627, 0.4231, 0.3670

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.



46.9326, 0.3732, 0.3895



46.9326, 0.2422, 0.2858



46.9326, 0.3822, 0.3354

Square

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



46.9326, 0.2422, 0.2858



46.9326, 0.3180, 0.2812



46.9326, 0.3885, 0.3659



46.9326, 0.3039, 0.3845

Rectangle

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



46.9326, 0.2422, 0.2858



46.9326, 0.2704, 0.2669



46.9326, 0.3885, 0.3659



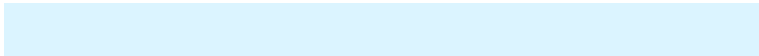
46.9326, 0.3536, 0.3971

Sweetspot

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



46.9344, 0.2422, 0.2858



87.1622, 0.2910, 0.3179



59.3734, 0.2889, 0.4330



18.2631, 0.2876, 0.3161



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.



46.9344, 0.2422, 0.2858



57.1616, 0.2296, 0.2748



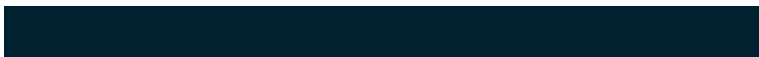
27.7428, 0.2282, 0.2098



14.8373, 0.2982, 0.3218



17.2574, 0.1966, 0.2278



1.3511, 0.2015, 0.2453

Inverse Universe

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



32.6023, 0.3513, 0.2450



37.0457, 0.3628, 0.2296



59.7858, 0.3928, 0.4244



13.8615, 0.3184, 0.3128



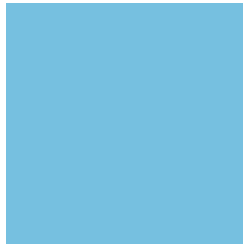
10.6502, 0.4149, 0.2059



0.7539, 0.3970, 0.1960

Previews

White Background



This preview shows how the Yxy color 46.9326, 0.2422, 0.2858 looks on a white background.

Color Contrast Check

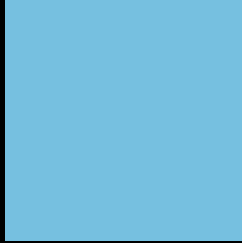
Large Text (above 18pt) WCAG AA × Fail

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 46.9326, 0.2422, 0.2858 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 46.9326, 0.2422, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 46.9326, 0.2422, 0.2858.



This preview shows how white text looks on a background with the Yxy color 46.9326, 0.2422, 0.2858.

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

46.9326, 0.2422, 0.2858

Protanopia

46.5991, 0.2810, 0.2836

Deuteranopia

46.6169, 0.2749, 0.2687



Tritanopia

46.8141, 0.2480, 0.3066

Trichromacy



Original Color

46.9326, 0.2422, 0.2858

Protanomaly

46.2655, 0.2651, 0.2835

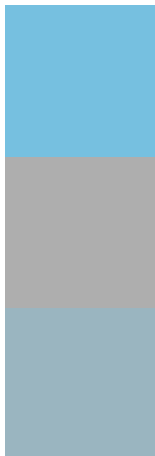
Deuteranomaly

46.3265, 0.2613, 0.2740

Tritanomaly

46.6911, 0.2456, 0.2986

Monochromacy



Original Color

46.9326, 0.2422, 0.2858

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.7235, 0.2825, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9326, 0.2422, 0.2858 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(118, 192, 224)` looks like.

```
.text, #text, p{  
    color:rgb(118, 192, 224)  
}
```

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(118, 192, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 192, 224) }
```

Border

The CSS property to change the border of an element to Yxy 46.9326, 0.2422, 0.2858 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(118, 192, 224) }
```

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

```
.border{ border-color:rgb(118, 192, 224) }
```

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

Here you see how a box with a 4 pixel rgb(118, 192, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 192, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 192, 224);  
box-shadow:4px 4px 4px 4px rgb(118, 192,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9326, 0.2422, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 192, 224) }
```

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

```
.background{ background-color: rgb(118,  
192, 224) }
```

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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