

Converting Colors

$Yxy(46.3325, 0.2281, 0.2896)$

Have a look what the booklet for
Yxy(46.3325, 0.2281, 0.2896)
contains.

Yxy(46.1969, 0.2284, 0.2898)	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(46.1969, 0.2284, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	53C3DF
RGB	83, 195, 223
RGB Percent	33%, 76%, 87%
CMY	0.6740, 0.2353, 0.1255
CMYK	0.63, 0.13, 0.00, 0.13
HSL	192°, 69%, 60%
HSV	192°, 63%, 87%
XYZ	36.4092, 46.1969, 76.8035
YIQ	164.7040, -75.7400, -15.0360

Conversions

Conversions Part 2

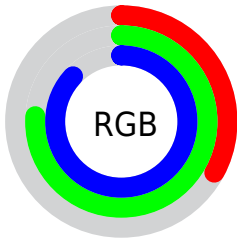
Format	Color
R _Y B	83, 145, 223
Decimal	5489631
CIE Lab	73.67, -23.39, -23.43
CIE LCh	74, 33.106, 225.039
Yxy	46.1969, 0.2284, 0.2898
Android (android.graphics.Color)	4283679711 (0xFF53C3DF)
YUV	164.7040, 28.7399, -71.6544
Hunter-Lab	67.9683, -23.3259, -19.4193

Details

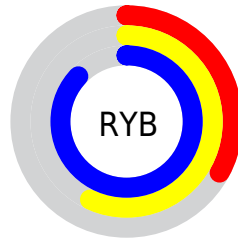
The Yxy color **46.1969, 0.2284, 0.2898** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.7125, 0.4897, 0.3600**, and the grayscale version is **37.3819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8605, 0.2535, 0.3255**, and **21.8769, 0.2104, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **43.3695, 0.2199, 0.2825**, and if you desaturate by 10%, it is **49.4138, 0.2387, 0.2970**.

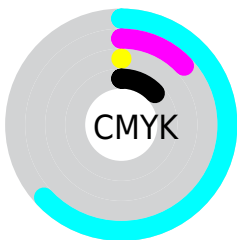
Distribution



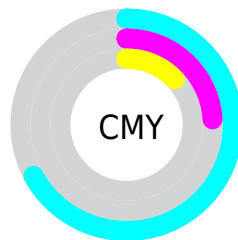
- Red (33%)
- Green (76%)
- Blue (87%)



- Red (33%)
- Yellow (57%)
- Blue (87%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1969, 0.2284, 0.2898 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 46.1969, 0.2284, 0.2898 by changing the saturation by 10% instead.

46.1969, 0.2284,
0.2898

46.1969, 0.2284,
0.2898

371.5997, 0.2691,
0.3104

32.4012, 0.2188,
0.2845

84.5136, 0.2428,
0.2974

21.6681, 0.2068,
0.2775

109.8034, 0.2483,
0.3003

13.6133, 0.1915,
0.2682

139.6934, 0.2530,
0.3026

7.8522, 0.1713,
0.2551

174.5679, 0.2571,
0.3047

4.0005, 0.1440,
0.2355

214.8115, 0.2607,
0.3064

1.6738, 0.1060,
0.2044

260.8083, 0.2638,

0.4066, 0.0000,

0.3079

0.1368

312.9429, 0.2666,
0.3092

0.0000, 0.0000,
0.0000

46.1969, 0.2284,
0.2898

46.1969, 0.2284,
0.2898

43.3695, 0.2199,
0.2825

49.4138, 0.2387,
0.2970

40.8934, 0.2133,
0.2751

53.0438, 0.2507,
0.3039

38.7305, 0.2087,
0.2678

57.1142, 0.2640,
0.3105

37.3057, 0.2063,
0.2626

61.6486, 0.2782,
0.3167

66.6684, 0.2932,
0.3224

72.1938, 0.3085,
0.3277

78.2436, 0.3240,
0.3324

83.5759, 0.3346,
0.3367

86.1030, 0.3341,
0.3411

Harmonies

Analogous

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



46.1969, 0.2434, 0.3318



46.1969, 0.2284, 0.2898



46.1969, 0.2337, 0.2630

Triad

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



46.1969, 0.2284, 0.2898



46.1969, 0.3461, 0.2869



46.1969, 0.3654, 0.4112

Complementary

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



46.1969, 0.2284, 0.2898



27.7125, 0.4897, 0.3600

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.



46.1969, 0.3967, 0.3909



46.1969, 0.2284, 0.2898



46.1969, 0.3862, 0.3201

Square

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



46.1969, 0.2284, 0.2898



46.1969, 0.2988, 0.2635



46.1969, 0.4051, 0.3573



46.1969, 0.3211, 0.4076

Rectangle

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



46.1969, 0.2284, 0.2898



46.1969, 0.2482, 0.2553



46.1969, 0.4051, 0.3573



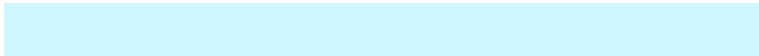
46.1969, 0.3778, 0.4066

Sweetspot

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



46.1986, 0.2284, 0.2898



85.9069, 0.2835, 0.3188



55.7665, 0.2914, 0.4948



17.9798, 0.2793, 0.3171



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.



46.1986, 0.2284, 0.2898



57.7772, 0.2178, 0.2804



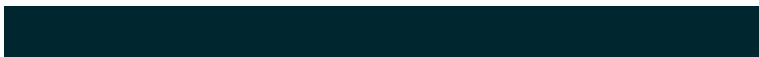
21.8634, 0.2040, 0.1840



15.0817, 0.2982, 0.3242



22.1004, 0.2066, 0.2637



1.6518, 0.2097, 0.2749

Inverse Universe

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



25.8339, 0.3512, 0.2091



29.8933, 0.3613, 0.1945



49.3756, 0.4291, 0.4366



13.8861, 0.3168, 0.3104



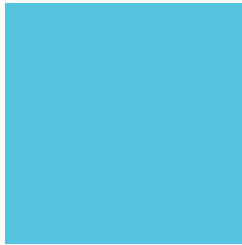
11.1391, 0.3789, 0.1861



0.7842, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 46.1969, 0.2284, 0.2898 looks on a white background.

Color Contrast Check

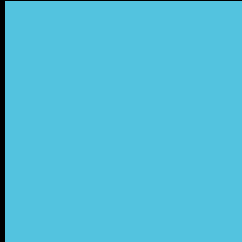
Large Text (above 18pt) WCAG AA × Fail

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 46.1969, 0.2284, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

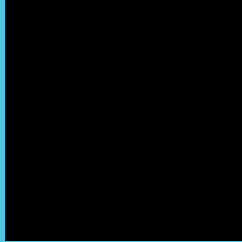
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1969, 0.2284, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 46.1969, 0.2284, 0.2898.

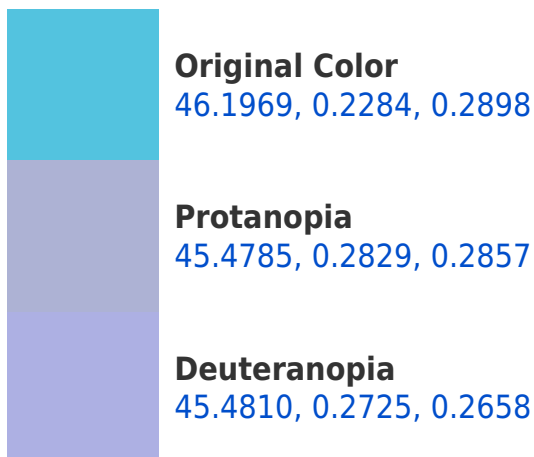


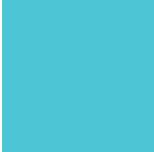
This preview shows how white text looks on a background with the Yxy color 46.1969, 0.2284, 0.2898.

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





Tritanopia

46.3563, 0.2318, 0.3059

Trichromacy



Original Color

46.1969, 0.2284, 0.2898

Protanomaly

44.8143, 0.2576, 0.2861

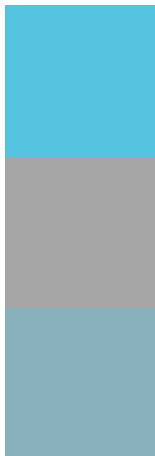
Deuteranomaly

44.9334, 0.2516, 0.2726

Tritanomaly

46.1951, 0.2303, 0.2991

Monochromacy



Original Color

46.1969, 0.2284, 0.2898

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7467, 0.2719, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1969, 0.2284, 0.2898 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(83, 195, 223)` looks like.

```
.text, #text, p{  
    color:rgb(83, 195, 223)  
}
```

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(83, 195, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 195, 223) }
```

Border

The CSS property to change the border of an element to Yxy 46.1969, 0.2284, 0.2898 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(83, 195, 223) }
```

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

```
.border{ border-color:rgb(83, 195, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 195, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 195, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 195, 223);  
box-shadow:4px 4px 4px 4px rgb(83, 195,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1969, 0.2284, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 195, 223) }
```

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

```
.background{ background-color: rgb(83, 195,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor