

Converting Colors

$Yxy(46.8652, 0.2330, 0.2897)$

Have a look what the booklet for
Yxy(46.8652, 0.2330, 0.2897)
contains.

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Color

Yxy(46.8447, 0.2334, 0.2903)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 60C3DF |
| RGB | 96, 195, 223 |
| RGB Percent | 38%, 76%, 87% |
| CMY | 0.6232, 0.2353, 0.1255 |
| CMYK | 0.57, 0.13, 0.00, 0.13 |
| HSL | 193°, 66%, 63% |
| HSV | 193°, 57%, 87% |
| XYZ | 37.6629, 46.8447, 76.8589 |
| YIQ | 168.5910, -67.9920, -12.2800 |

Conversions

Conversions Part 2

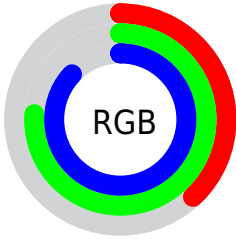
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 96, 152, 223 |
| Decimal | 6341599 |
| CIE _{Lab} | 74.09, -21.07, -22.75 |
| CIE _{LCh} | 74, 31.008, 227.194 |
| Yxy | 46.8447, 0.2334, 0.2903 |
| Android (android.graphics.Color) | 4284531679 (0xFF60C3DF) |
| YUV | 168.5910, 26.8236, -63.6623 |
| Hunter-Lab | 68.4432, -21.5505, -18.6700 |

Details

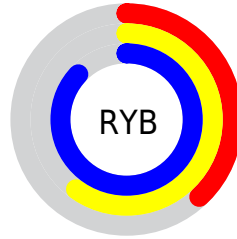
The Yxy color **46.8447, 0.2334, 0.2903** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **30.9669, 0.4640, 0.3614**, and the grayscale version is **39.3648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9087, 0.2583, 0.3255**, and **22.0256, 0.2128, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **43.6344, 0.2235, 0.2823**, and if you desaturate by 10%, it is **50.4741, 0.2450, 0.2981**.

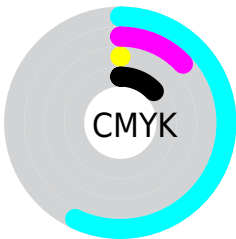
Distribution



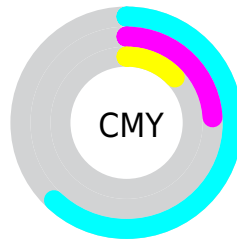
- Red (38%)
- Green (76%)
- Blue (87%)



- Red (38%)
- Yellow (60%)
- Blue (87%)



- Cyan (57%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (62%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8447, 0.2334, 0.2903 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 46.8447, 0.2334, 0.2903 by changing the saturation by 10% instead.

46.8447, 0.2334,
0.2903

46.8447, 0.2334,
0.2903

374.1943, 0.2717,
0.3104

32.9129, 0.2243,
0.2851

85.4818, 0.2470,
0.2978

22.0597, 0.2130,
0.2784

110.9558, 0.2521,
0.3005

13.9008, 0.1985,
0.2694

141.0461, 0.2566,
0.3028

8.0517, 0.1794,
0.2568

176.1369, 0.2604,
0.3048

4.1280, 0.1532,
0.2381

216.6128, 0.2638,
0.3065

1.7454, 0.1164,
0.2084

262.8580, 0.2667,

0.4528, 0.0000,

0.3080

0.1497

315.2571, 0.2693,
0.3093

■ 0.0000, 0.0000,
0.0000

■ 46.8447, 0.2334,
0.2903

■ 46.8447, 0.2334,
0.2903

■ 43.6344, 0.2235,
0.2823

■ 50.4741, 0.2450,
0.2981

■ 40.8075, 0.2155,
0.2741

■ 54.5445, 0.2579,
0.3056

■ 38.3301, 0.2095,
0.2659

■ 59.0820, 0.2720,
0.3126

■ 36.1562, 0.2054,
0.2579

■ 64.1091, 0.2868,
0.3192

■ 35.5220, 0.2043,
0.2554

■ 69.6466, 0.3021,
0.3252

■ 75.7142, 0.3175,
0.3306

■ 82.3301, 0.3328,
0.3355

■ 85.6290, 0.3342,
0.3403

■ 88.4742, 0.3335,
0.3451

Harmonies

Analogous

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



46.8447, 0.2462, 0.3287



46.8447, 0.2334, 0.2903



46.8447, 0.2398, 0.2661

Triad

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



46.8447, 0.2334, 0.2903



46.8447, 0.3470, 0.2915



46.8447, 0.3594, 0.4062

Complementary

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



46.8447, 0.2334, 0.2903



30.9669, 0.4640, 0.3614

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.



46.8447, 0.3897, 0.3890



46.8447, 0.2334, 0.2903



46.8447, 0.3832, 0.3234

Square

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



46.8447, 0.2334, 0.2903



46.8447, 0.3029, 0.2687



46.8447, 0.3991, 0.3583



46.8447, 0.3177, 0.4006

Rectangle

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



46.8447, 0.2334, 0.2903



46.8447, 0.2542, 0.2596



46.8447, 0.3991, 0.3583



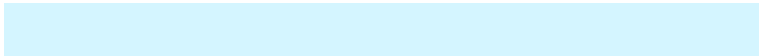
46.8447, 0.3713, 0.4026

Sweetspot

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



46.8464, 0.2334, 0.2903



86.7351, 0.2865, 0.3190



56.7045, 0.2913, 0.4742



18.2586, 0.2834, 0.3178



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.



46.8464, 0.2334, 0.2903



58.4935, 0.2221, 0.2810



24.3322, 0.2132, 0.1965



15.0325, 0.2982, 0.3237



21.0634, 0.2046, 0.2566



1.5882, 0.2081, 0.2690

Inverse Universe

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



28.0073, 0.3497, 0.2202



32.2312, 0.3598, 0.2044



52.0861, 0.4162, 0.4308



13.8812, 0.3171, 0.3109



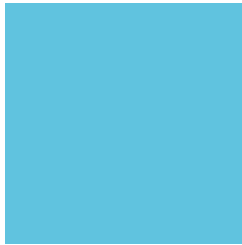
11.0344, 0.3857, 0.1899



0.7778, 0.3737, 0.1833

Previews

White Background



This preview shows how the Yxy color 46.8447, 0.2334, 0.2903 looks on a white background.

Color Contrast Check

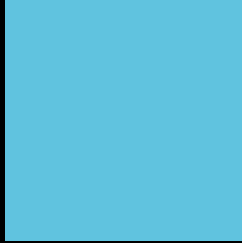
Large Text (above 18pt) WCAG AA × Fail

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 46.8447, 0.2334, 0.2903 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 46.8447, 0.2334, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 46.8447, 0.2334, 0.2903.



This preview shows how white text looks on a background with the Yxy color 46.8447, 0.2334, 0.2903.

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

46.8447, 0.2334, 0.2903

Protanopia

46.1076, 0.2845, 0.2871

Deuteranopia

46.5008, 0.2742, 0.2686



Tritanopia

47.0119, 0.2371, 0.3062

Trichromacy



Original Color

46.8447, 0.2334, 0.2903

Protanomaly

45.7668, 0.2617, 0.2879

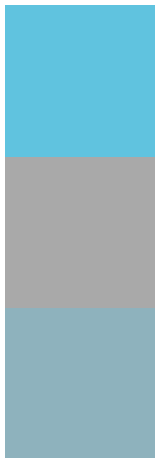
Deuteranomaly

45.8830, 0.2556, 0.2745

Tritanomaly

46.8168, 0.2352, 0.2995

Monochromacy



Original Color

46.8447, 0.2334, 0.2903

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2657, 0.2753, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8447, 0.2334, 0.2903 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(96, 195, 223)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 195, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 195, 223) }
```

Border

The CSS property to change the border of an element to Yxy 46.8447, 0.2334, 0.2903 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(96, 195, 223) }
```

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

```
.border{ border-color:rgb(96, 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(96, 195, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 195, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 195, 223);  
box-shadow:4px 4px 4px 4px rgb(96, 195,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8447, 0.2334, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 195, 223) }
```

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

```
.background{ background-color: rgb(96, 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](#).

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