

Converting Colors

$Y_{xy}(46.4422, 0.2311, 0.2888)$

Have a look what the booklet for
Yxy(46.4422, 0.2311, 0.2888)
contains.

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Color

Yxy(46.6362, 0.2309, 0.2888)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5BC3E0 |
| RGB | 91, 195, 224 |
| RGB Percent | 36%, 76%, 88% |
| CMY | 0.6430, 0.2353, 0.1215 |
| CMYK | 0.59, 0.13, 0.00, 0.12 |
| HSL | 193°, 68%, 62% |
| HSV | 193°, 59%, 88% |
| XYZ | 37.2864, 46.6362, 77.5601 |
| YIQ | 167.2100, -71.2930, -13.0290 |

Conversions

Conversions Part 2

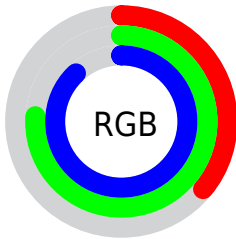
| Format | Color |
|-------------------------------------|--|
| RYB | 91, 149, 224 |
| Decimal | 6013920 |
| CIELab | 73.96, -21.72, -23.52 |
| CIELCh | 74, 32.016, 227.276 |
| Yxy | 46.6362, 0.2309, 0.2888 |
| Android (android.graphics.Color) | 4284204000 (0xFF5BC3E0) |
| YUV | 167.2100, 27.9975, -66.8362 |
| Hunter-Lab | 68.2907, -22.0487, -19.5342 |

Details

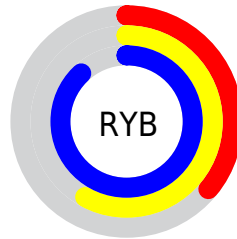
The Yxy color **46.6362, 0.2309, 0.2888** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.0461, 0.4740, 0.3619**, and the grayscale version is **38.6430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5162, 0.2565, 0.3255**, and **21.9143, 0.2099, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **43.5099, 0.2215, 0.2808**, and if you desaturate by 10%, it is **50.1773, 0.2420, 0.2966**.

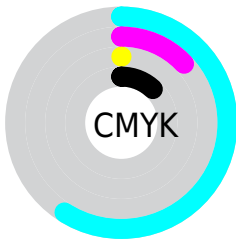
Distribution



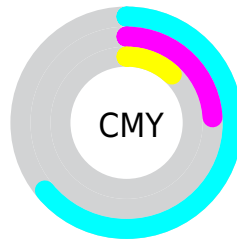
- Red (36%)
- Green (76%)
- Blue (88%)



- Red (36%)
- Yellow (58%)
- Blue (88%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)




- Cyan (64%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6362, 0.2309, 0.2888 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 46.6362, 0.2309, 0.2888 by changing the saturation by 10% instead.


 46.6362, 0.2309,
0.2888

 46.6362, 0.2309,
0.2888


373.3605, 0.2704,
0.3097


 32.7481, 0.2216,
0.2834


 85.1703, 0.2449,
0.2965

 21.9336, 0.2099,
0.2764


 110.5852, 0.2502,
0.2994

 13.8081, 0.1951,
0.2671


 140.6111, 0.2548,
0.3018

 7.9873, 0.1755,
0.2540


 175.6325, 0.2587,
0.3039

 4.0868, 0.1488,
0.2346

216.0337, 0.2622,
0.3057

 1.7223, 0.1115,
0.2039

262.1992, 0.2652,

 0.4380, 0.0000,

0.3072

0.1420

314.5134, 0.2679,
0.3085

0.0000, 0.0000,
0.0000

46.6362, 0.2309,
0.2888

46.6362, 0.2309,
0.2888

43.5099, 0.2215,
0.2808

50.1773, 0.2420,
0.2966

40.7613, 0.2140,
0.2727

54.1561, 0.2547,
0.3041

38.3545, 0.2085,
0.2647

58.5996, 0.2685,
0.3111

36.2285, 0.2047,
0.2567

63.5310, 0.2831,
0.3177

36.0975, 0.2045,
0.2562

68.9717, 0.2983,
0.3238

74.9417, 0.3137,
0.3293

81.4598, 0.3291,
0.3343

85.5387, 0.3335,
0.3391

88.3609, 0.3329,
0.3438

Harmonies

Analogous

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



46.6362, 0.2440, 0.3285



46.6362, 0.2309, 0.2888



46.6362, 0.2375, 0.2640

Triad

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



46.6362, 0.2309, 0.2888



46.6362, 0.3482, 0.2904



46.6362, 0.3607, 0.4089

Complementary

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



46.6362, 0.2309, 0.2888



30.0461, 0.4740, 0.3619

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.



46.6362, 0.3922, 0.3909



46.6362, 0.2309, 0.2888



46.6362, 0.3857, 0.3232

Square

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



46.6362, 0.2309, 0.2888



46.6362, 0.3026, 0.2668



46.6362, 0.4020, 0.3592



46.6362, 0.3176, 0.4032

Rectangle

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



46.6362, 0.2309, 0.2888



46.6362, 0.2524, 0.2574



46.6362, 0.4020, 0.3592



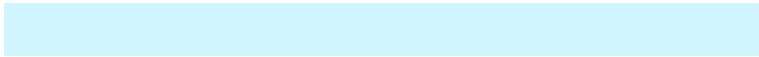
46.6362, 0.3731, 0.4051

Sweetspot

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



46.6379, 0.2309, 0.2888



86.0873, 0.2850, 0.3185



56.8920, 0.2908, 0.4816



17.9911, 0.2806, 0.3167



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.



46.6379, 0.2309, 0.2888



57.5335, 0.2197, 0.2791



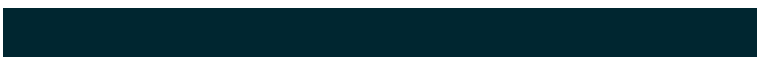
23.2317, 0.2089, 0.1897



15.0384, 0.2982, 0.3238



21.1864, 0.2049, 0.2574



1.5958, 0.2083, 0.2697

Inverse Universe

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



27.2760, 0.3514, 0.2162



31.0833, 0.3619, 0.2008



51.8608, 0.4210, 0.4344



13.8818, 0.3171, 0.3109



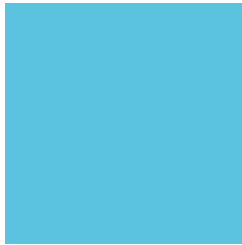
11.0468, 0.3849, 0.1894



0.7786, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 46.6362, 0.2309, 0.2888 looks on a white background.

Color Contrast Check

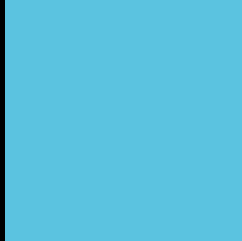
Large Text (above 18pt) WCAG AA × Fail

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 46.6362, 0.2309, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

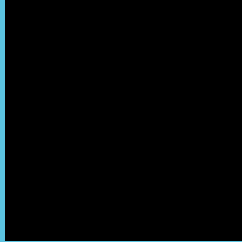
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6362, 0.2309, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 46.6362, 0.2309, 0.2888.



This preview shows how white text looks on a background with the Yxy color 46.6362, 0.2309, 0.2888.

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

46.6362, 0.2309, 0.2888

Protanopia

46.0430, 0.2830, 0.2859

Deuteranopia

46.0444, 0.2727, 0.2661



Tritanopia

46.7150, 0.2347, 0.3061

Trichromacy



Original Color

46.6362, 0.2309, 0.2888

Protanomaly

45.6370, 0.2598, 0.2865

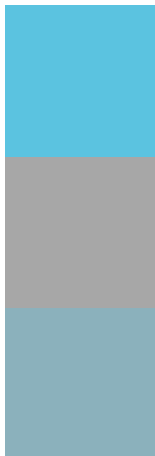
Deuteranomaly

45.7563, 0.2537, 0.2731

Tritanomaly

46.5643, 0.2333, 0.2993

Monochromacy



Original Color

46.6362, 0.2309, 0.2888

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.5641, 0.2736, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6362, 0.2309, 0.2888 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(91, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(91, 195, 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(91, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 195, 224) }
```

Border

The CSS property to change the border of an element to Yxy 46.6362, 0.2309, 0.2888 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(91, 195, 224) }
```

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

```
.border{ border-color:rgb(91, 195, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 195, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(91, 195,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6362, 0.2309, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 195, 224) }
```

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

```
.background{ background-color: rgb(91, 195,  
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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