

Converting Colors

$Y_{xy}(46.2921, 0.2350, 0.3008)$

Have a look what the booklet for
Yxy(46.2921, 0.2350, 0.3008)
contains.

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Color

Yxy(46.1607, 0.2351, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	5BC3D7
RGB	91, 195, 215
RGB Percent	36%, 76%, 84%
CMY	0.6427, 0.2353, 0.1568
CMYK	0.58, 0.09, 0.00, 0.16
HSL	190°, 61%, 60%
HSV	190°, 58%, 84%
XYZ	36.1024, 46.1607, 71.2988
YIQ	166.1840, -68.4040, -15.8280

Conversions

Conversions Part 2

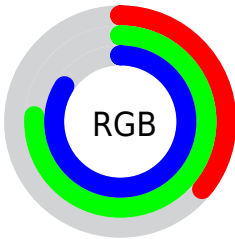
Format	Color
R_{YB}	91, 148, 215
Decimal	6013911
CIE Lab	73.65, -24.31, -19.11
CIE LCh	74, 30.924, 218.160
Yxy	46.1607, 0.2351, 0.3006
Android (android.graphics.Color)	4284203991 (0xFF5BC3D7)
YUV	166.1840, 24.0663, -65.9364
Hunter-Lab	67.9417, -24.0478, -14.6605

Details

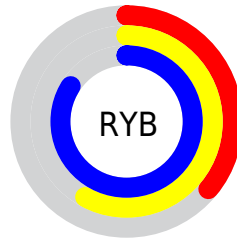
The Yxy color **46.1607, 0.2351, 0.3006** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.5980, 0.4724, 0.3528**, and the grayscale version is **38.1457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4201, 0.2560, 0.3255**, and **21.6201, 0.2149, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **43.6824, 0.2262, 0.2949**, and if you desaturate by 10%, it is **48.9917, 0.2458, 0.3062**.

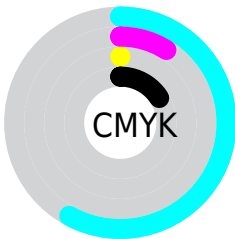
Distribution



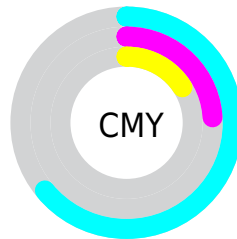
- Red (36%)
- Green (76%)
- Blue (84%)



- Red (36%)
- Yellow (58%)
- Blue (84%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1607, 0.2351, 0.3006 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 46.1607, 0.2351, 0.3006 by changing the saturation by 10% instead.


 46.1607, 0.2351,
0.3006


 46.1607, 0.2351,
0.3006

371.4543, 0.2727,
0.3158

 32.3727, 0.2261,
0.2966


 84.4594, 0.2485,
0.3063


 21.6463, 0.2149,
0.2913


 109.7389, 0.2536,
0.3084

 13.5972, 0.2004,
0.2840


 139.6177, 0.2580,
0.3101

 7.8411, 0.1811,
0.2736

 174.4801, 0.2617,
0.3116

 3.9934, 0.1546,
0.2577

214.7106, 0.2650,
0.3129

 1.6699, 0.1166,
0.2311

260.6935, 0.2679,

 0.4040, 0.0000,

0.3140

0.1664

312.8133, 0.2705,
0.3149

■ 0.0000, 0.0000,
0.0000

■ 46.1607, 0.2351,
0.3006

■ 46.1607, 0.2351,
0.3006

■ 43.6824, 0.2262,
0.2949

■ 48.9917, 0.2458,
0.3062

■ 41.5239, 0.2192,
0.2891

■ 52.1947, 0.2580,
0.3116

■ 39.6543, 0.2141,
0.2833

■ 55.7936, 0.2715,
0.3167

■ 38.0287, 0.2107,
0.2776

■ 59.8087, 0.2859,
0.3215

■ 37.6616, 0.2101,
0.2762

■ 64.2588, 0.3010,
0.3259

■ 69.1614, 0.3164,
0.3299

■ 74.5331, 0.3319,
0.3335

■ 78.8202, 0.3412,
0.3369

■ 80.6924, 0.3407,
0.3404

Harmonies

Analogous

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



46.1607, 0.2536, 0.3417



46.1607, 0.2351, 0.3006



46.1607, 0.2357, 0.2715

Triad

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



46.1607, 0.2351, 0.3006



46.1607, 0.3339, 0.2834



46.1607, 0.3703, 0.4032

Complementary

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



46.1607, 0.2351, 0.3006



26.5980, 0.4724, 0.3528

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.



46.1607, 0.3953, 0.3808



46.1607, 0.2351, 0.3006



46.1607, 0.3741, 0.3131

Square

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



46.1607, 0.2351, 0.3006



46.1607, 0.2901, 0.2641



46.1607, 0.3971, 0.3479



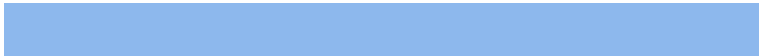
46.1607, 0.3308, 0.4052

Rectangle

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



46.1607, 0.2351, 0.3006



46.1607, 0.2466, 0.2615



46.1607, 0.3971, 0.3479



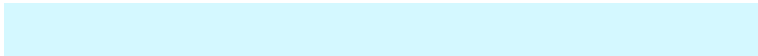
46.1607, 0.3808, 0.3976

Sweetspot

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



46.1624, 0.2351, 0.3006



88.2990, 0.2866, 0.3217



51.9510, 0.2953, 0.4882



18.6309, 0.2836, 0.3208



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.



46.1624, 0.2351, 0.3006



63.5944, 0.2246, 0.2937



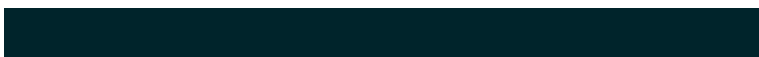
24.3152, 0.2149, 0.2075



13.7504, 0.2983, 0.3251



22.6565, 0.2103, 0.2771



1.4600, 0.2130, 0.2869

Inverse Universe

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



25.8867, 0.3414, 0.2123



32.3822, 0.3489, 0.1953



44.5720, 0.4234, 0.4231



12.5966, 0.3162, 0.3097



10.6320, 0.3662, 0.1791



0.6507, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 46.1607, 0.2351, 0.3006 looks on a white background.

Color Contrast Check

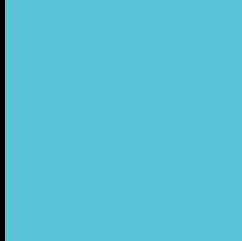
Large Text (above 18pt) WCAG AA × Fail

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 46.1607, 0.2351, 0.3006 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 46.1607, 0.2351, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 46.1607, 0.2351, 0.3006.

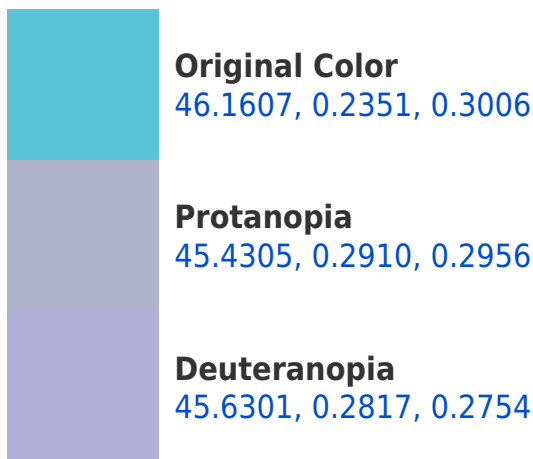


This preview shows how white text looks on a background with the Yxy color 46.1607, 0.2351, 0.3006.

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

46.3567, 0.2369, 0.3075

Trichromacy



Original Color

46.1607, 0.2351, 0.3006



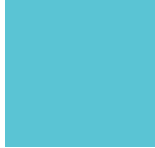
Protanomaly

44.8548, 0.2658, 0.2965



Deuteranomaly

45.0399, 0.2601, 0.2827



Tritanomaly

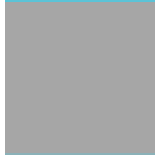
46.4070, 0.2364, 0.3061

Monochromacy



Original Color

46.1607, 0.2351, 0.3006



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.3939, 0.2764, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1607, 0.2351, 0.3006 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 195, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 195, 215) }
```

Border

The CSS property to change the border of an element to Yxy 46.1607, 0.2351, 0.3006 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, 215) }
```

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

```
.border{ border-color:rgb(91, 195, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 195, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 195, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 195,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1607, 0.2351, 0.3006 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, 215) }
```

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

```
.background{ background-color: rgb(91, 195,  
215) }
```

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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