

Converting Colors

$Y_{xy}(46.1632, 0.2283, 0.3031)$

Have a look what the booklet for
Yxy(46.1632, 0.2283, 0.3031)
contains.

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Color

Yxy(46.1409, 0.2283, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	46C5D7
RGB	70, 197, 215
RGB Percent	27%, 77%, 84%
CMY	0.7250, 0.2275, 0.1568
CMYK	0.67, 0.08, 0.00, 0.16
HSL	187°, 64%, 56%
HSV	187°, 67%, 84%
XYZ	34.7656, 46.1409, 71.3737
YIQ	161.0790, -81.4700, -21.3260

Conversions

Conversions Part 2

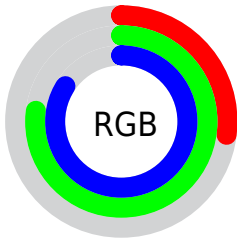
Format	Color
RYB	70, 138, 215
Decimal	4638167
CIELab	73.64, -28.79, -19.19
CIELCh	74, 34.595, 213.689
Yxy	46.1409, 0.2283, 0.3030
Android (android.graphics.Color)	4282828247 (0xFF46C5D7)
YUV	161.0790, 26.5831, -79.8763
Hunter-Lab	67.9271, -27.5148, -14.7494

Details

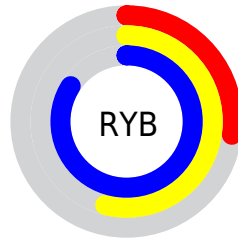
The Yxy color **46.1409, 0.2283, 0.3030** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.8974, 0.5193, 0.3484**, and the grayscale version is **35.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2545, 0.2499, 0.3277**, and **22.1830, 0.2155, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **44.2756, 0.2218, 0.2986**, and if you desaturate by 10%, it is **48.3175, 0.2368, 0.3074**.

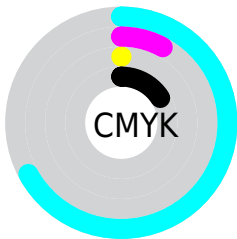
Distribution



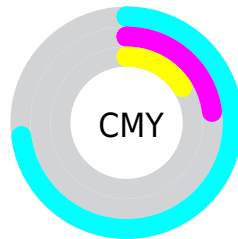
- Red (27%)
- Green (77%)
- Blue (84%)



- Red (27%)
- Yellow (54%)
- Blue (84%)



- Cyan (67%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)




- Cyan (73%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1409, 0.2283, 0.3030 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 46.1409, 0.2283, 0.3030 by changing the saturation by 10% instead.


 46.1409, 0.2283,
0.3030

 46.1409, 0.2283,
0.3030


371.3748, 0.2691,
0.3172

 32.3570, 0.2186,
0.2991


 84.4298, 0.2428,
0.3084


 21.6343, 0.2065,
0.2940


 109.7037, 0.2483,
0.3104

 13.5885, 0.1910,
0.2870


 139.5763, 0.2530,
0.3120

 7.8350, 0.1705,
0.2767

 174.4321, 0.2571,
0.3134

 3.9896, 0.1425,
0.2608

214.6554, 0.2607,
0.3146

 1.6677, 0.1028,
0.2340

260.6307, 0.2638,

 0.4026, 0.0000,

0.3156

0.1654

312.7424, 0.2666,
0.3164

■ 0.0000, 0.0000,
0.0000

■ 46.1409, 0.2283,
0.3030

■ 46.1409, 0.2283,
0.3030

■ 44.2756, 0.2218,
0.2986

■ 48.3175, 0.2368,
0.3074

■ 42.6841, 0.2171,
0.2943

■ 50.8278, 0.2470,
0.3116

■ 41.3245, 0.2142,
0.2900

■ 53.6977, 0.2589,
0.3157

■ 40.9882, 0.2136,
0.2888

■ 56.9494, 0.2721,
0.3196

■ 60.6028, 0.2864,
0.3233

■ 64.6766, 0.3014,
0.3267

■ 69.1883, 0.3168,
0.3298

■ 74.1543, 0.3324,
0.3326

■ 77.9143, 0.3415,
0.3352

Harmonies

Analogous

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



46.1409, 0.2515, 0.3503



46.1409, 0.2283, 0.3030



46.1409, 0.2259, 0.2684

Triad

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



46.1409, 0.2283, 0.3030



46.1409, 0.3288, 0.2744



46.1409, 0.3822, 0.4091

Complementary

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



46.1409, 0.2283, 0.3030



21.8974, 0.5193, 0.3484

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.



46.1409, 0.4070, 0.3811



46.1409, 0.2283, 0.3030



46.1409, 0.3756, 0.3057

Square

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



46.1409, 0.2283, 0.3030



46.1409, 0.2806, 0.2553



46.1409, 0.4051, 0.3436



46.1409, 0.3396, 0.4162

Rectangle

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



46.1409, 0.2283, 0.3030



46.1409, 0.2359, 0.2556



46.1409, 0.4051, 0.3436



46.1409, 0.3930, 0.4015

Sweetspot

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



46.1426, 0.2283, 0.3030



87.5960, 0.2823, 0.3223



50.6045, 0.2961, 0.5247



18.4198, 0.2782, 0.3213



0.0000, 0.0000, 0.0000



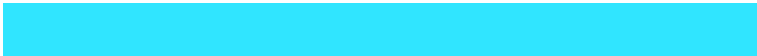
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1426, 0.2283, 0.3030



64.0670, 0.2195, 0.2967



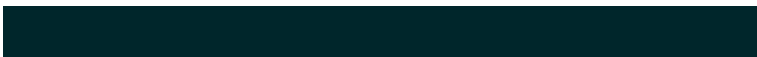
21.0505, 0.2012, 0.1906



13.8319, 0.2983, 0.3260



24.6186, 0.2138, 0.2895



1.5605, 0.2158, 0.2969

Inverse Universe

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



22.8764, 0.3407, 0.1934



29.0851, 0.3475, 0.1789



39.8532, 0.4485, 0.4295



12.6049, 0.3157, 0.3088



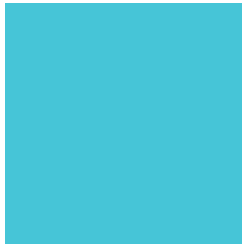
10.8301, 0.3548, 0.1728



0.6609, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 46.1409, 0.2283, 0.3030 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 46.1409, 0.2283, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

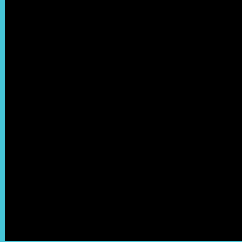
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1409, 0.2283, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 46.1409, 0.2283, 0.3030.

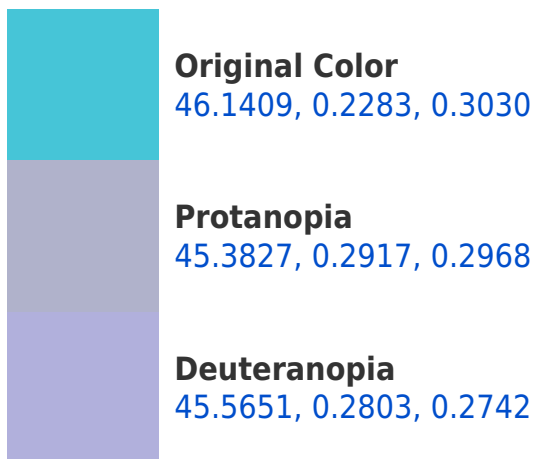


This preview shows how white text looks on a background with the Yxy color 46.1409, 0.2283, 0.3030.

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

46.0018, 0.2289, 0.3058

Trichromacy



Original Color

46.1409, 0.2283, 0.3030



Protanomaly

44.6062, 0.2619, 0.2988



Deuteranomaly

44.7462, 0.2551, 0.2834



Tritanomaly

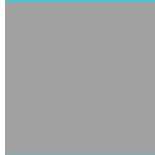
46.0528, 0.2284, 0.3044

Monochromacy



Original Color

46.1409, 0.2283, 0.3030



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.1975, 0.2699, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1409, 0.2283, 0.3030 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(70, 197, 215)` looks like.

```
.text, #text, p{  
    color:rgb(70, 197, 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(70, 197, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 197, 215) }
```

Border

The CSS property to change the border of an element to Yxy 46.1409, 0.2283, 0.3030 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(70, 197, 215) }
```

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

```
.border{ border-color:rgb(70, 197, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 197, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 197, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 197, 215);  
box-shadow:4px 4px 4px 4px rgb(70, 197,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1409, 0.2283, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 197, 215) }
```

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

```
.background{ background-color: rgb(70, 197,  
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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