

Converting Colors

$Y_{xy}(46.2085, 0.2448, 0.3151)$

Have a look what the booklet for
Yxy(46.2085, 0.2448, 0.3151)
contains.

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Color

Yxy(46.2047, 0.2444, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	65C3CD
RGB	101, 195, 205
RGB Percent	40%, 76%, 80%
CMY	0.6041, 0.2352, 0.1962
CMYK	0.51, 0.05, 0.00, 0.20
HSL	186°, 51%, 60%
HSV	186°, 51%, 80%
XYZ	35.8946, 46.2047, 64.7688
YIQ	168.0340, -59.2340, -16.8180

Conversions

Conversions Part 2

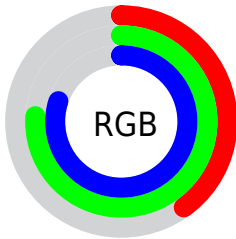
Format	Color
RYB	101, 150, 205
Decimal	6669261
CIELab	73.68, -25.13, -13.58
CIElCh	74, 28.570, 208.391
Yxy	46.2047, 0.2444, 0.3146
Android (android.graphics.Color)	4284859341 (0xFF65C3CD)
YUV	168.0340, 18.2242, -58.7888
Hunter-Lab	67.9740, -24.6954, -8.9124

Details

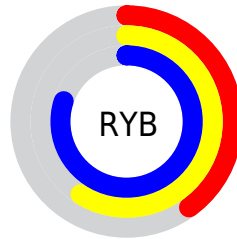
The Yxy color **46.2047, 0.2444, 0.3146** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.2649, 0.4493, 0.3420**, and the grayscale version is **39.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2117, 0.2596, 0.3255**, and **21.6774, 0.2262, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **44.2937, 0.2351, 0.3113**, and if you desaturate by 10%, it is **48.4258, 0.2554, 0.3178**.

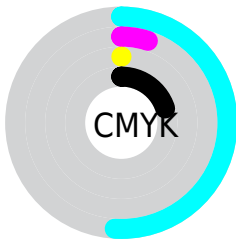
Distribution



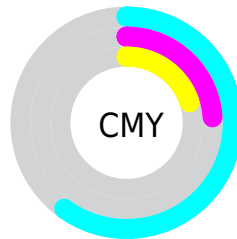
- Red (40%)
- Green (76%)
- Blue (80%)



- Red (40%)
- Yellow (59%)
- Blue (80%)



- Cyan (51%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)




- Cyan (60%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2047, 0.2444, 0.3146 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 46.2047, 0.2444, 0.3146 by changing the saturation by 10% instead.

 46.2047, 0.2444,
0.3146


 46.2047, 0.2444,
0.3146


371.6310, 0.2778,
0.3226


 32.4074, 0.2364,
0.3124


 84.5253, 0.2563,
0.3177


 21.6729, 0.2262,
0.3093


 109.8173, 0.2609,
0.3188

 13.6167, 0.2130,
0.3051


 139.7097, 0.2647,
0.3197

 7.8546, 0.1953,
0.2988

 174.5869, 0.2681,
0.3205

 4.0020, 0.1703,
0.2886

214.8332, 0.2710,
0.3212

 1.6747, 0.1333,
0.2703

260.8331, 0.2735,

 0.4072, 0.0000,

0.3217

0.2181

312.9709, 0.2758,
0.3222

0.0000, 0.0000,
0.0000

46.2047, 0.2444,
0.3146

46.2047, 0.2444,
0.3146

44.2937, 0.2351,
0.3113

48.4258, 0.2554,
0.3178

42.6650, 0.2276,
0.3080

50.9717, 0.2679,
0.3208

41.2949, 0.2221,
0.3047

53.8627, 0.2817,
0.3237

40.1529, 0.2184,
0.3014

57.1156, 0.2963,
0.3264

39.2483, 0.2162,
0.2985

60.7462, 0.3116,
0.3288

■ 64.7694, 0.3271,
0.3311

■ 69.1992, 0.3428,
0.3331

■ 72.1162, 0.3506,
0.3350

■ 73.0960, 0.3502,
0.3370

Harmonies

Analogous

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



46.2047, 0.2671, 0.3537



46.2047, 0.2444, 0.3146



46.2047, 0.2390, 0.2831

Triad

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



46.2047, 0.2444, 0.3146



46.2047, 0.3190, 0.2795



46.2047, 0.3756, 0.3927

Complementary

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



46.2047, 0.2444, 0.3146



25.2649, 0.4493, 0.3420

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.



46.2047, 0.3921, 0.3681



46.2047, 0.2444, 0.3146



46.2047, 0.3585, 0.3046

Square

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



46.2047, 0.2444, 0.3146



46.2047, 0.2800, 0.2656



46.2047, 0.3860, 0.3362



46.2047, 0.3424, 0.4011

Rectangle

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



46.2047, 0.2444, 0.3146



46.2047, 0.2454, 0.2701



46.2047, 0.3860, 0.3362



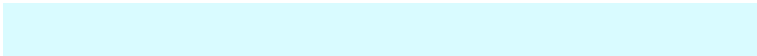
46.2047, 0.3833, 0.3859

Sweetspot

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



46.2065, 0.2444, 0.3146



91.1380, 0.2897, 0.3252



47.5331, 0.3006, 0.4765



19.2652, 0.2866, 0.3246



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.



46.2065, 0.2444, 0.3146



72.2774, 0.2342, 0.3110



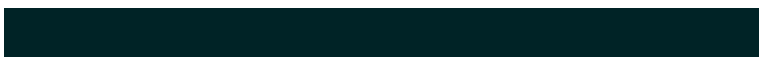
27.2066, 0.2291, 0.2362



12.5362, 0.2983, 0.3267



24.5163, 0.2164, 0.2989



1.3194, 0.2181, 0.3053

Inverse Universe

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



26.2144, 0.3292, 0.2176



36.5664, 0.3335, 0.1983



39.6260, 0.4127, 0.4051



11.3845, 0.3152, 0.3083



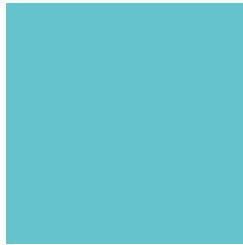
10.2779, 0.3464, 0.1682



0.5357, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 46.2047, 0.2444, 0.3146 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 46.2047, 0.2444, 0.3146 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

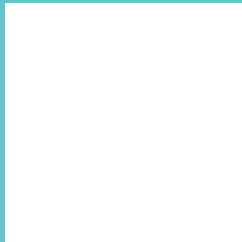
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2047, 0.2444, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 46.2047, 0.2444, 0.3146.

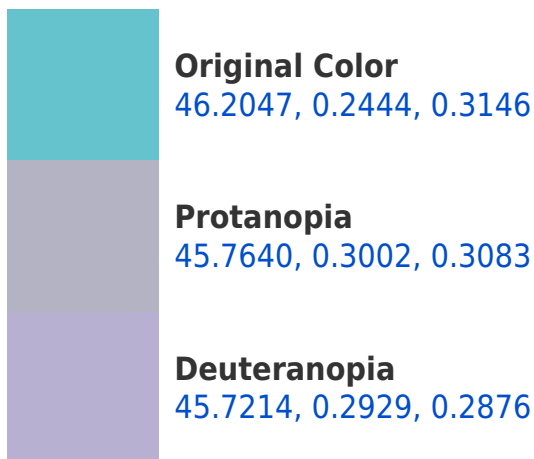


This preview shows how white text looks on a background with the Yxy color 46.2047, 0.2444, 0.3146.

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

46.1203, 0.2425, 0.3063

Trichromacy



Original Color

46.2047, 0.2444, 0.3146

Protanomaly

45.4008, 0.2759, 0.3099

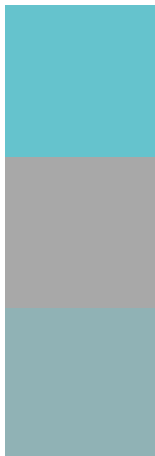
Deuteranomaly

45.1933, 0.2712, 0.2956

Tritanomaly

45.9624, 0.2431, 0.3090

Monochromacy



Original Color

46.2047, 0.2444, 0.3146

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.1063, 0.2824, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2047, 0.2444, 0.3146 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(101, 195, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 195, 205)  
}
```

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(101, 195, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 195, 205) }
```

Border

The CSS property to change the border of an element to Yxy 46.2047, 0.2444, 0.3146 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(101, 195, 205) }
```

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

```
.border{ border-color:rgb(101, 195, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 195, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 195, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 195, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 195,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2047, 0.2444, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 195, 205) }
```

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

```
.background{ background-color: rgb(101,  
195, 205) }
```

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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