

Converting Colors

$Y_{xy}(48.1059, 0.2174, 0.2986)$

Have a look what the booklet for
Yxy(48.1059, 0.2174, 0.2986)
contains.

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Color

Yxy(48.2321, 0.2175, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	13CBE0
RGB	19, 203, 224
RGB Percent	7%, 80%, 88%
CMY	0.9242, 0.2039, 0.1215
CMYK	0.91, 0.09, 0.00, 0.12
HSL	186°, 84%, 48%
HSV	186°, 91%, 88%
XYZ	35.0852, 48.2321, 77.9940
YIQ	150.3780, -116.4050, -32.4770

Conversions

Conversions Part 2

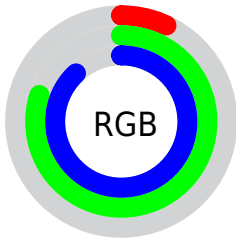
Format	Color
RYB	19, 116, 224
Decimal	1297376
CIELab	74.97, -33.44, -22.10
CIELCh	75, 40.088, 213.460
Yxy	48.2321, 0.2175, 0.2990
Android (android.graphics.Color)	4279487456 (0xFF13CBE0)
YUV	150.3780, 36.2956, -115.2185
Hunter-Lab	69.4493, -31.3596, -17.9702

Details

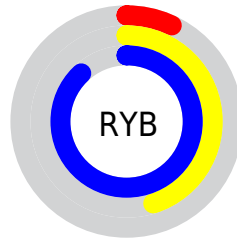
The Yxy color **48.2321, 0.2175, 0.2990** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.4401, 0.6154, 0.3393**, and the grayscale version is **30.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **24.0444, 0.2138, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **47.1603, 0.2156, 0.2960**, and if you desaturate by 10%, it is **49.6735, 0.2211, 0.3025**.

Distribution



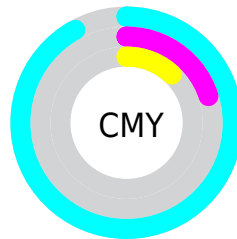
- Red (7%)
- Green (80%)
- Blue (88%)



- Red (7%)
- Yellow (45%)
- Blue (88%)



- Cyan (91%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)





- Cyan (92%)
- Magenta (20%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2321, 0.2175, 0.2990 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 48.2321, 0.2175, 0.2990 by changing the saturation by 10% instead.


 48.2321, 0.2175,
0.2990


 48.2321, 0.2175,
0.2990


 379.7114, 0.2629,
0.3154

 34.0107, 0.2070,
0.2946


 87.5499, 0.2334,
0.3052


 22.9018, 0.1939,
0.2887


 113.4151, 0.2396,
0.3075


 14.5210, 0.1774,
0.2807


 143.9303, 0.2448,
0.3094

 8.4839, 0.1560,
0.2693

 179.4800, 0.2494,
0.3110

 4.4061, 0.1275,
0.2519

 220.4486, 0.2534,
0.3123

 1.9032, 0.0891,
0.2234

 267.2204, 0.2569,

 0.5503, 0.0000,

0.3135

0.1698

320.1799, 0.2601,
0.3145

0.0000, 0.0000,
0.0000

48.2321, 0.2175,
0.2990

48.2321, 0.2175,
0.2990

47.1603, 0.2156,
0.2960

49.6735, 0.2211,
0.3025

51.3925, 0.2266,
0.3061

53.4293, 0.2340,
0.3097

55.8163, 0.2433,
0.3132

58.5816, 0.2543,
0.3167

■ 61.7504, 0.2668,
0.3200

■ 65.3457, 0.2806,
0.3231

■ 69.3885, 0.2953,
0.3260

■ 73.8988, 0.3106,
0.3287

Harmonies

Analogous

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



48.2321, 0.2433, 0.3536



48.2321, 0.2175, 0.2990



48.2321, 0.2148, 0.2600

Triad

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



48.2321, 0.2175, 0.2990



48.2321, 0.3303, 0.2672



48.2321, 0.3915, 0.4196

Complementary

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



48.2321, 0.2175, 0.2990



17.4401, 0.6154, 0.3393

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.



48.2321, 0.4202, 0.3866



48.2321, 0.2175, 0.2990



48.2321, 0.3842, 0.3020

Square

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



48.2321, 0.2175, 0.2990



48.2321, 0.2756, 0.2460



48.2321, 0.4182, 0.3442



48.2321, 0.3429, 0.4294

Rectangle

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



48.2321, 0.2175, 0.2990



48.2321, 0.2258, 0.2460



48.2321, 0.4182, 0.3442



48.2321, 0.4039, 0.4105

Sweetspot

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



48.2338, 0.2175, 0.2990



84.7685, 0.2725, 0.3213



53.6151, 0.2975, 0.5839



17.8000, 0.2678, 0.3202



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.



48.2338, 0.2175, 0.2990



63.1523, 0.2155, 0.2957



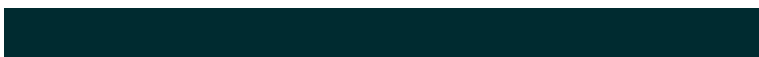
14.8720, 0.1741, 0.1407



15.3191, 0.2982, 0.3265



27.5445, 0.2157, 0.2965



1.9795, 0.2172, 0.3019

Inverse Universe

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



20.6388, 0.3461, 0.1710



26.9064, 0.3492, 0.1697



35.2872, 0.4998, 0.4348



13.9101, 0.3153, 0.3082



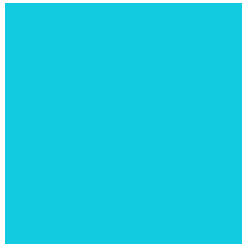
11.6887, 0.3485, 0.1693



0.8173, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 48.2321, 0.2175, 0.2990 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 48.2321, 0.2175, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

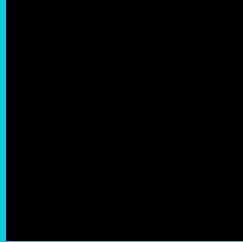
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2321, 0.2175, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 48.2321, 0.2175, 0.2990.



This preview shows how white text looks on a background with the Yxy color 48.2321, 0.2175, 0.2990.

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

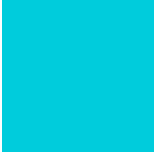
48.2321, 0.2175, 0.2990

Protanopia

47.5740, 0.2884, 0.2937

Deuteranopia

47.2445, 0.2744, 0.2679



Tritanopia

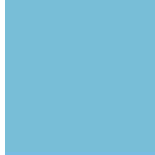
48.3530, 0.2183, 0.3059

Trichromacy



Original Color

48.2321, 0.2175, 0.2990



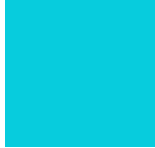
Protanomaly

45.7263, 0.2475, 0.2945



Deuteranomaly

45.5056, 0.2407, 0.2767



Tritanomaly

48.4514, 0.2183, 0.3045

Monochromacy



Original Color

48.2321, 0.2175, 0.2990



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.3750, 0.2538, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2321, 0.2175, 0.2990 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(19, 203, 224)` looks like.

```
.text, #text, p{  
    color:rgb(19, 203, 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(19, 203, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 203, 224) }
```

Border

The CSS property to change the border of an element to Yxy 48.2321, 0.2175, 0.2990 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(19, 203, 224) }
```

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

```
.border{ border-color:rgb(19, 203, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 203, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 203, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 203, 224);  
box-shadow:4px 4px 4px 4px rgb(19, 203,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2321, 0.2175, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 203, 224) }
```

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

```
.background{ background-color: rgb(19, 203,  
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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