

Converting Colors

$Y_{xy}(46.1711, 0.2153, 0.2924)$

Have a look what the booklet for
Yxy(46.1711, 0.2153, 0.2924)
contains.

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Color

Yxy(46.3220, 0.2155, 0.2931)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0EC7E0 |
| RGB | 14, 199, 224 |
| RGB Percent | 5%, 78%, 88% |
| CMY | 0.9450, 0.2196, 0.1216 |
| CMYK | 0.94, 0.11, 0.00, 0.12 |
| HSL | 187°, 88%, 47% |
| HSV | 187°, 94%, 88% |
| XYZ | 34.0580, 46.3220, 77.6617 |
| YIQ | 146.5350, -118.2850, -31.4450 |

Conversions

Conversions Part 2

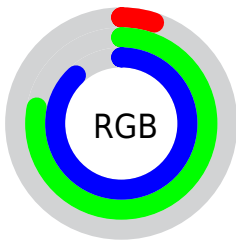
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 14, 112, 224 |
| Decimal | 968672 |
| CIELab | 73.75, -31.73, -23.95 |
| CIELCh | 74, 39.755, 217.039 |
| Yxy | 46.3220, 0.2155, 0.2931 |
| Android (android.graphics.Color) | 4279158752 (0xFF0EC7E0) |
| YUV | 146.5350, 38.1902, -116.2332 |
| Hunter-Lab | 68.0603, -29.7825, -20.0120 |

Details

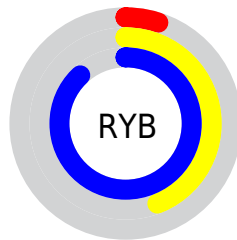
The Yxy color **46.3220, 0.2155, 0.2931** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **17.3299, 0.6188, 0.3400**, and the grayscale version is **28.8555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **23.1154, 0.2121, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **45.4663, 0.2140, 0.2905**, and if you desaturate by 10%, it is **47.8504, 0.2189, 0.2972**.

Distribution



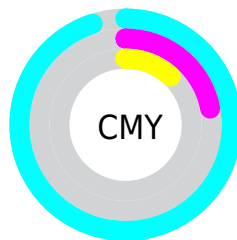
- Red (5%)
- Green (78%)
- Blue (88%)



- Red (5%)
- Yellow (44%)
- Blue (88%)



- Cyan (94%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)





- Cyan (95%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3220, 0.2155, 0.2931 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 46.3220, 0.2155, 0.2931 by changing the saturation by 10% instead.

 46.3220, 0.2155,
0.2931

 46.3220, 0.2155,
0.2931

372.1017, 0.2620,
0.3125

 32.5000, 0.2046,
0.2879

 84.7007, 0.2319,
0.3004


 21.7437, 0.1912,
0.2811


 110.0262, 0.2382,
0.3031


 13.6687, 0.1741,
0.2718


 139.9549, 0.2436,
0.3053

 7.8906, 0.1520,
0.2586

 174.8714, 0.2483,
0.3072

 4.0250, 0.1227,
0.2387

 215.1598, 0.2524,
0.3088

 1.6876, 0.0824,
0.2068

261.2048, 0.2560,

 0.4156, 0.0000,

0.3102

0.1353

313.3906, 0.2592,
0.3115

■ 0.0000, 0.0000,
0.0000

■ 46.3220, 0.2155,
0.2931

■ 46.3220, 0.2155,
0.2931

■ 45.4663, 0.2140,
0.2905

■ 47.8504, 0.2189,
0.2972

■ 49.6513, 0.2241,
0.3014

■ 51.7669, 0.2313,
0.3056

■ 54.2309, 0.2404,
0.3097

■ 57.0723, 0.2512,
0.3138

■ 60.3169, 0.2635,
0.3177

■ 63.9882, 0.2772,
0.3213

■ 68.1077, 0.2917,
0.3247

■ 72.6957, 0.3069,
0.3279

Harmonies

Analogous

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



46.3220, 0.2387, 0.3468



46.3220, 0.2155, 0.2931



46.3220, 0.2156, 0.2565

Triad

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



46.3220, 0.2155, 0.2931



46.3220, 0.3372, 0.2705



46.3220, 0.3868, 0.4228

Complementary

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



46.3220, 0.2155, 0.2931



17.3299, 0.6188, 0.3400

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.



46.3220, 0.4187, 0.3916



46.3220, 0.2155, 0.2931



46.3220, 0.3900, 0.3066

Square

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



46.3220, 0.2155, 0.2931



46.3220, 0.2815, 0.2473



46.3220, 0.4208, 0.3495



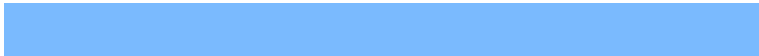
46.3220, 0.3365, 0.4289

Rectangle

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



46.3220, 0.2155, 0.2931



46.3220, 0.2284, 0.2442



46.3220, 0.4208, 0.3495



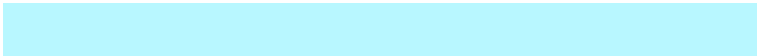
46.3220, 0.4002, 0.4144

Sweetspot

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



46.3237, 0.2155, 0.2931



83.5785, 0.2709, 0.3197



53.5448, 0.2971, 0.5851



17.4400, 0.2651, 0.3181



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.



46.3237, 0.2155, 0.2931



60.8820, 0.2140, 0.2903



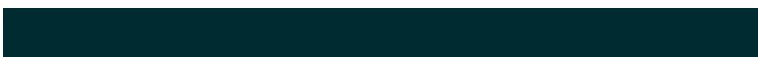
13.5717, 0.1709, 0.1312



15.2792, 0.2982, 0.3261



26.5784, 0.2142, 0.2912



1.9220, 0.2160, 0.2975

Inverse Universe

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



20.2847, 0.3514, 0.1730



26.6772, 0.3541, 0.1724



35.6748, 0.4993, 0.4375



13.9061, 0.3156, 0.3086



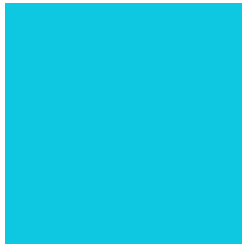
11.5911, 0.3533, 0.1720



0.8115, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 46.3220, 0.2155, 0.2931 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 46.3220, 0.2155, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

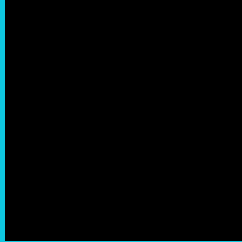
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3220, 0.2155, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 46.3220, 0.2155, 0.2931.



This preview shows how white text looks on a background with the Yxy color 46.3220, 0.2155, 0.2931.

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

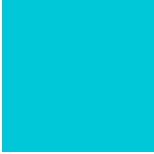
46.3220, 0.2155, 0.2931

Protanopia

45.4926, 0.2851, 0.2881

Deuteranopia

45.3657, 0.2697, 0.2633



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



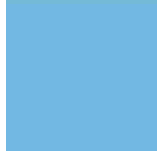
Original Color

46.3220, 0.2155, 0.2931



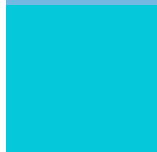
Protanomaly

43.7371, 0.2443, 0.2886



Deuteranomaly

43.4044, 0.2366, 0.2706



Tritanomaly

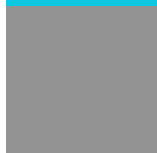
46.4553, 0.2173, 0.3013

Monochromacy



Original Color

46.3220, 0.2155, 0.2931



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.0202, 0.2524, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3220, 0.2155, 0.2931 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(14, 199, 224)` looks like.

```
.text, #text, p{  
    color:rgb(14, 199, 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(14, 199, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 199, 224) }
```

Border

The CSS property to change the border of an element to Yxy 46.3220, 0.2155, 0.2931 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(14, 199, 224) }
```

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

```
.border{ border-color:rgb(14, 199, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 199, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 199, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 199, 224);  
box-shadow:4px 4px 4px 4px rgb(14, 199,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3220, 0.2155, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 199, 224) }
```

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

```
.background{ background-color: rgb(14, 199,  
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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