

Converting Colors

$Y_{xy}(46.7590, 0.2193, 0.3269)$

Have a look what the booklet for
Yxy(46.7590, 0.2193, 0.3269)
contains.

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Color

Yxy(47.1196, 0.2238, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	00CBCD
RGB	0, 203, 205
RGB Percent	0%, 80%, 80%
CMY	1.0000, 0.2039, 0.1961
CMYK	1.00, 0.01, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	32.3676, 47.1196, 65.1402
YIQ	142.5310, -121.6300, -42.4140

Conversions

Conversions Part 2

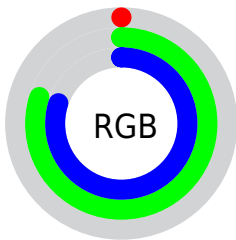
Format	Color
RYB	0, 102, 205
Decimal	52173
CIELab	74.27, -39.92, -12.89
CIELCh	74, 41.946, 197.899
Yxy	47.1196, 0.2238, 0.3258
Android (android.graphics.Color)	4278242253 (0xFF00CBCD)
YUV	142.5310, 30.7972, -124.9997
Hunter-Lab	68.6437, -35.9583, -8.2133

Details

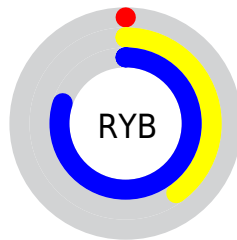
The Yxy color **47.1196, 0.2238, 0.3258** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.0208, 0.6395, 0.3305**, and the grayscale version is **27.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.4142, 0.2230, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **47.1257, 0.2238, 0.3258**, and if you desaturate by 10%, it is **47.3732, 0.2253, 0.3261**.

Distribution



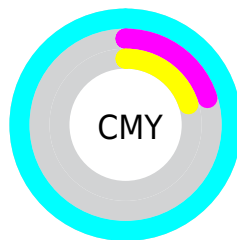
- Red (0%)
- Green (80%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1196, 0.2238, 0.3258 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 47.1196, 0.2238, 0.3258 by changing the saturation by 10% instead.

 47.1196, 0.2238,
0.3258

 47.1196, 0.2238,
0.3258


375.2917, 0.2668,
0.3288


 33.1302, 0.2136,
0.3246


 85.8921, 0.2390,
0.3272

 22.2262, 0.2009,
0.3229


 111.4440, 0.2449,
0.3276

 14.0232, 0.1845,
0.3202


 141.6189, 0.2499,
0.3280

 8.1368, 0.1629,
0.3158

 176.8012, 0.2542,
0.3282

 4.1826, 0.1336,
0.3078

 217.3752, 0.2579,
0.3284

 1.7762, 0.0870,
0.2934

263.7254, 0.2612,

 0.4723, 0.0000,

0.3286

0.2407

316.2361, 0.2642,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 47.1196, 0.2238,
0.3258

■ 47.1196, 0.2238,
0.3258

■ 47.1257, 0.2238,
0.3258

■ 47.3732, 0.2253,
0.3261

■ 47.7842, 0.2281,
0.3264

■ 48.4144, 0.2327,
0.3268

■ 49.2940, 0.2392,
0.3271

■ 50.4481, 0.2476,
0.3274

■ 51.8989, 0.2578,
0.3278

■ 53.6663, 0.2697,
0.3281

■ 55.7686, 0.2830,
0.3284

■ 58.2224, 0.2975,
0.3287

Harmonies

Analogous

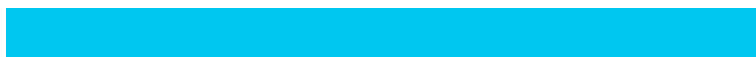
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1196, 0.2622, 0.3854



47.1196, 0.2238, 0.3258



47.1196, 0.2085, 0.2747

Triad

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



47.1196, 0.2238, 0.3258



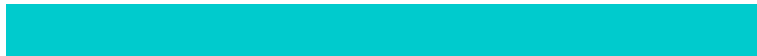
47.1196, 0.3001, 0.2507



47.1196, 0.4146, 0.4079

Complementary

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



47.1196, 0.2238, 0.3258



13.0208, 0.6395, 0.3305

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.



47.1196, 0.4293, 0.3664



47.1196, 0.2238, 0.3258



47.1196, 0.3598, 0.2803

Square

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



47.1196, 0.2238, 0.3258



47.1196, 0.2491, 0.2376



47.1196, 0.4091, 0.3211



47.1196, 0.3724, 0.4335

Rectangle

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



47.1196, 0.2238, 0.3258



47.1196, 0.2117, 0.2522



47.1196, 0.4091, 0.3211



47.1196, 0.4231, 0.3951

Sweetspot

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



47.1257, 0.2238, 0.3258



87.7943, 0.2692, 0.3281



43.6584, 0.3000, 0.6000



18.5149, 0.2640, 0.3279



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.



47.1257, 0.2238, 0.3258



77.1806, 0.2238, 0.3258



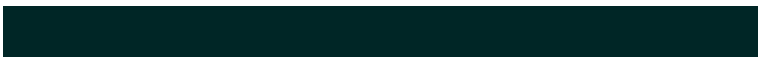
14.0078, 0.1768, 0.1566



12.7077, 0.2984, 0.3287



29.3491, 0.2239, 0.3258



1.5202, 0.2240, 0.3264

Inverse Universe

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



17.2903, 0.3234, 0.1555



28.3226, 0.3234, 0.1555



22.5783, 0.5417, 0.4081



11.4018, 0.3139, 0.3064



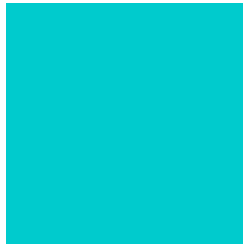
10.7658, 0.3233, 0.1555



0.5560, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 47.1196, 0.2238, 0.3258 looks on a white background.

Color Contrast Check

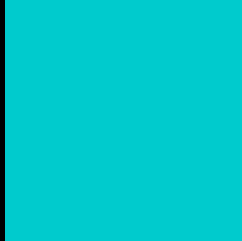
Large Text (above 18pt) WCAG AA × Fail

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 47.1196, 0.2238, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

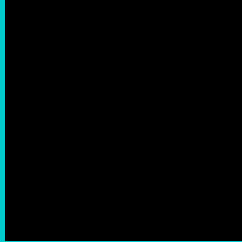
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

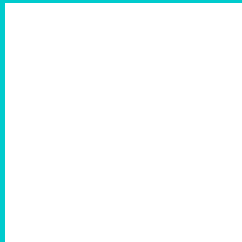
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1196, 0.2238, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 47.1196, 0.2238, 0.3258.

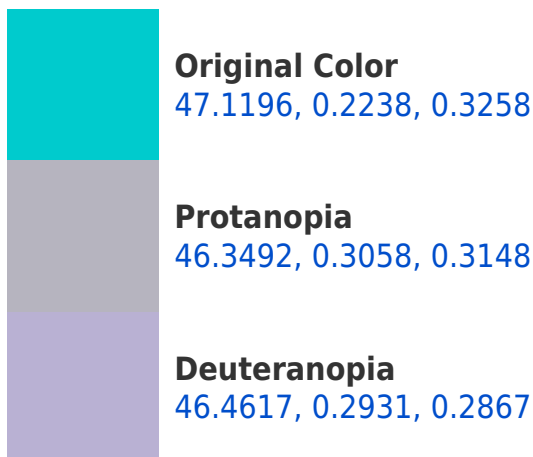


This preview shows how white text looks on a background with the Yxy color 47.1196, 0.2238, 0.3258.

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

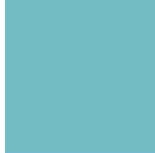
47.1404, 0.2212, 0.3057

Trichromacy



Original Color

47.1196, 0.2238, 0.3258



Protanomaly

43.6650, 0.2554, 0.3173



Deuteranomaly

43.5728, 0.2487, 0.2966



Tritanomaly

47.2157, 0.2216, 0.3127

Monochromacy



Original Color

47.1196, 0.2238, 0.3258



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.8876, 0.2529, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1196, 0.2238, 0.3258 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(0, 203, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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(0, 203, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 205) }
```

Border

The CSS property to change the border of an element to Yxy 47.1196, 0.2238, 0.3258 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(0, 203, 205) }
```

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

```
.border{ border-color:rgb(0, 203, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1196, 0.2238, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 205) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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