

Converting Colors

$Y_{xy}(44.5404, 0.2208, 0.3052)$

Have a look what the booklet for
Yxy(44.5404, 0.2208, 0.3052)
contains.

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Color

Yxy(44.5404, 0.2208, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	20C4D4
RGB	32, 196, 212
RGB Percent	13%, 77%, 83%
CMY	0.8735, 0.2314, 0.1687
CMYK	0.85, 0.08, 0.00, 0.17
HSL	185°, 74%, 48%
HSV	185°, 85%, 83%
XYZ	32.2232, 44.5404, 69.1748
YIQ	148.7880, -102.8800, -29.7920

Conversions

Conversions Part 2

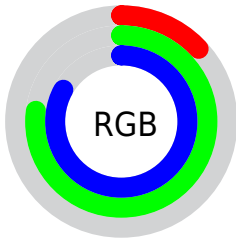
Format	Color
R _Y B	32, 118, 212
Decimal	2147540
CIE Lab	72.59, -33.20, -19.19
CIE LCh	73, 38.352, 210.032
Yxy	44.5404, 0.2208, 0.3052
Android (android.graphics.Color)	4280337620 (0xFF20C4D4)
YUV	148.7880, 31.1635, -102.4231
Hunter-Lab	66.7386, -30.6079, -14.7373

Details

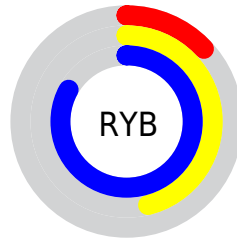
The Yxy color **44.5404, 0.2208, 0.3052** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.2351, 0.5966, 0.3401**, and the grayscale version is **29.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0480, 0.2422, 0.3265**, and **21.7803, 0.2164, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **43.4569, 0.2179, 0.3022**, and if you desaturate by 10%, it is **45.8563, 0.2255, 0.3083**.

Distribution



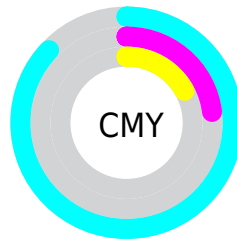
- Red (13%)
- Green (77%)
- Blue (83%)



- Red (13%)
- Yellow (46%)
- Blue (83%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)




- Cyan (87%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5404, 0.2208, 0.3052 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 44.5404, 0.2208, 0.3052 by changing the saturation by 10% instead.


 44.5404, 0.2208,
0.3052


 44.5404, 0.2208,
0.3052


364.9090, 0.2654,
0.3187

 31.0956, 0.2102,
0.3014


 82.0303, 0.2366,
0.3104


 20.6716, 0.1970,
0.2963


 106.8442, 0.2427,
0.3123


 12.8842, 0.1801,
0.2892


 136.2165, 0.2478,
0.3138

 7.3488, 0.1578,
0.2787

 170.5317, 0.2523,
0.3151

 3.6812, 0.1277,
0.2620

 210.1741, 0.2562,
0.3162

 1.4969, 0.0805,
0.2345

255.5282, 0.2596,

 0.2865, 0.0000,

0.3171


0.1353

306.9784, 0.2626,
0.3180


 0.0000, 0.0000,
0.0000


 44.5404, 0.2208,
0.3052


 44.5404, 0.2208,
0.3052

 43.4569, 0.2179,
0.3022


 45.8563, 0.2255,
0.3083

 42.9481, 0.2168,
0.3006

 47.4359, 0.2321,
0.3113

 49.3105, 0.2406,
0.3144

 51.5057, 0.2508,
0.3174

 54.0443, 0.2627,
0.3203

■ 56.9468, 0.2760,
0.3230

■ 60.2323, 0.2903,
0.3256

■ 63.9183, 0.3053,
0.3279

■ 68.0214, 0.3209,
0.3301

Harmonies

Analogous

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



44.5404, 0.2488, 0.3596



44.5404, 0.2208, 0.3052



44.5404, 0.2155, 0.2646

Triad

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



44.5404, 0.2208, 0.3052



44.5404, 0.3236, 0.2651



44.5404, 0.3947, 0.4153

Complementary

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



44.5404, 0.2208, 0.3052



16.2351, 0.5966, 0.3401

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.



44.5404, 0.4198, 0.3813



44.5404, 0.2208, 0.3052



44.5404, 0.3775, 0.2981

Square

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



44.5404, 0.2208, 0.3052



44.5404, 0.2708, 0.2460



44.5404, 0.4140, 0.3392



44.5404, 0.3485, 0.4281

Rectangle

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



44.5404, 0.2208, 0.3052



44.5404, 0.2246, 0.2491



44.5404, 0.4140, 0.3392



44.5404, 0.4060, 0.4056

Sweetspot

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



44.5420, 0.2208, 0.3052



86.2835, 0.2753, 0.3229



47.5975, 0.2976, 0.5744



18.1213, 0.2705, 0.3219



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.



44.5420, 0.2208, 0.3052



65.1106, 0.2168, 0.3003



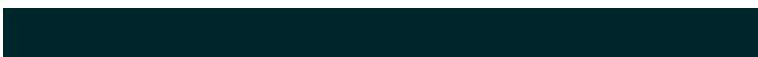
15.6103, 0.1817, 0.1597



13.9101, 0.2983, 0.3269



26.5945, 0.2170, 0.3011



1.6607, 0.2184, 0.3063

Inverse Universe

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



19.0274, 0.3404, 0.1721



27.1041, 0.3451, 0.1675



32.0205, 0.4912, 0.4325



12.6128, 0.3151, 0.3080



11.0296, 0.3445, 0.1671



0.6710, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 44.5404, 0.2208, 0.3052 looks on a white background.

Color Contrast Check

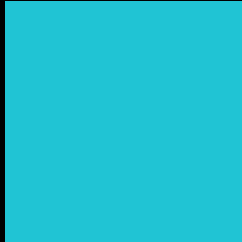
Large Text (above 18pt) WCAG AA × Fail

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 44.5404, 0.2208, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

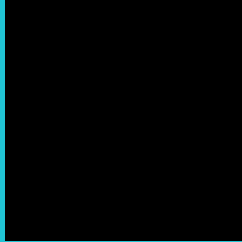
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5404, 0.2208, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 44.5404, 0.2208, 0.3052.

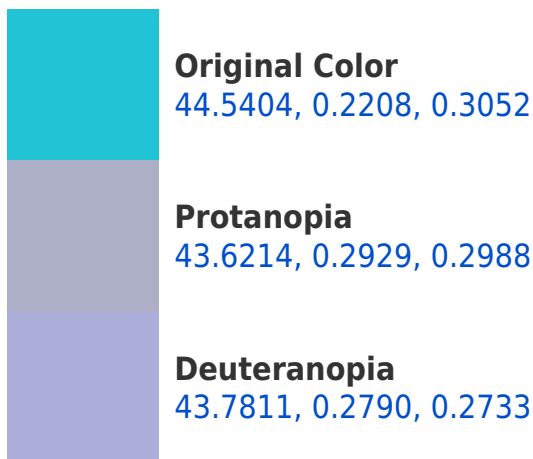


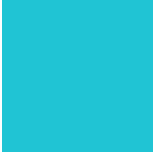
This preview shows how white text looks on a background with the Yxy color 44.5404, 0.2208, 0.3052.

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

44.5404, 0.2208, 0.3052

Trichromacy



Original Color

44.5404, 0.2208, 0.3052

Protanomaly

42.3163, 0.2538, 0.3005

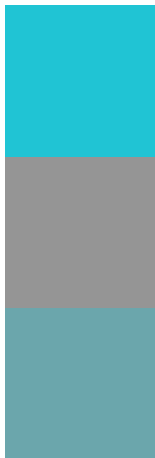
Deuteranomaly

42.0916, 0.2465, 0.2818

Tritanomaly

44.5404, 0.2208, 0.3052

Monochromacy



Original Color

44.5404, 0.2208, 0.3052

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

33.3768, 0.2596, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5404, 0.2208, 0.3052 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(32, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(32, 196, 212)  
}
```

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(32, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 196, 212) }
```

Border

The CSS property to change the border of an element to Yxy 44.5404, 0.2208, 0.3052 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(32, 196, 212) }
```

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

```
.border{ border-color:rgb(32, 196, 212) }
```

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

Here you see how a box with a 4 pixel rgb(32, 196, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(32, 196,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5404, 0.2208, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 196, 212) }
```

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

```
.background{ background-color: rgb(32, 196,  
212) }
```

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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