

Converting Colors

$Y_{xy}(45.3828, 0.2209, 0.3020)$

Have a look what the booklet for
Yxy(45.3828, 0.2209, 0.3020)
contains.

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Color

Yxy(45.3217, 0.2206, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	27C5D8
RGB	39, 197, 216
RGB Percent	15%, 77%, 85%
CMY	0.8473, 0.2274, 0.1530
CMYK	0.82, 0.09, 0.00, 0.15
HSL	186°, 69%, 50%
HSV	186°, 82%, 85%
XYZ	33.1938, 45.3217, 71.9550
YIQ	151.9240, -100.2670, -27.5870

Conversions

Conversions Part 2

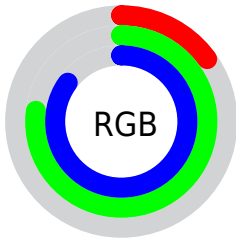
Format	Color
RYB	39, 122, 216
Decimal	2606552
CIELab	73.10, -31.96, -20.58
CIELCh	73, 38.011, 212.781
Yxy	45.3217, 0.2206, 0.3012
Android (android.graphics.Color)	4280796632 (0xFF27C5D8)
YUV	151.9240, 31.5895, -99.0343
Hunter-Lab	67.3214, -29.8004, -16.2458

Details

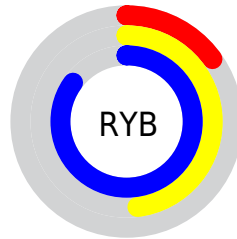
The Yxy color **45.3217, 0.2206, 0.3012** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7602, 0.5839, 0.3435**, and the grayscale version is **31.2505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8855, 0.2434, 0.3276**, and **22.2181, 0.2150, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **43.9721, 0.2170, 0.2975**, and if you desaturate by 10%, it is **46.9302, 0.2260, 0.3049**.

Distribution



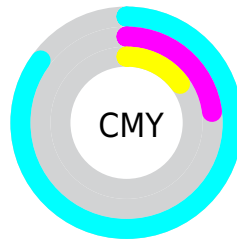
- Red (15%)
- Green (77%)
- Blue (85%)



- Red (15%)
- Yellow (48%)
- Blue (85%)



- Cyan (82%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)





- Cyan (85%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3217, 0.2206, 0.3012 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 45.3217, 0.2206, 0.3012 by changing the saturation by 10% instead.

 45.3217, 0.2206,
0.3012


 45.3217, 0.2206,
0.3012


368.0749, 0.2651,
0.3166

 31.7109, 0.2101,
0.2970


 83.2029, 0.2363,
0.3071


 21.1408, 0.1970,
0.2913


 108.2422, 0.2424,
0.3092

 13.2269, 0.1803,
0.2836


 137.8597, 0.2475,
0.3110

 7.5850, 0.1584,
0.2722

 172.4398, 0.2520,
0.3125

 3.8306, 0.1288,
0.2546

 212.3670, 0.2559,
0.3137

 1.5792, 0.0855,
0.2256

258.0257, 0.2593,

 0.3435, 0.0000,

0.3148

0.1414

309.8002, 0.2624,
0.3158

■ 0.0000, 0.0000,
0.0000

■ 45.3217, 0.2206,
0.3012

■ 45.3217, 0.2206,
0.3012

■ 43.9721, 0.2170,
0.2975

■ 46.9302, 0.2260,
0.3049

■ 43.0242, 0.2152,
0.2946

■ 48.8285, 0.2334,
0.3087

■ 51.0478, 0.2426,
0.3124

■ 53.6141, 0.2536,
0.3160

■ 56.5506, 0.2661,
0.3194

■ 59.8783, 0.2798,
0.3227

■ 63.6168, 0.2944,
0.3257

■ 67.7842, 0.3097,
0.3285

■ 72.3974, 0.3252,
0.3310

Harmonies

Analogous

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



45.3217, 0.2463, 0.3541



45.3217, 0.2206, 0.3012



45.3217, 0.2174, 0.2629

Triad

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



45.3217, 0.2206, 0.3012



45.3217, 0.3285, 0.2684



45.3217, 0.3901, 0.4164

Complementary

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



45.3217, 0.2206, 0.3012



17.7602, 0.5839, 0.3435

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.



45.3217, 0.4171, 0.3843



45.3217, 0.2206, 0.3012



45.3217, 0.3809, 0.3020

Square

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



45.3217, 0.2206, 0.3012



45.3217, 0.2758, 0.2481



45.3217, 0.4144, 0.3430



45.3217, 0.3434, 0.4261

Rectangle

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



45.3217, 0.2206, 0.3012



45.3217, 0.2278, 0.2488



45.3217, 0.4144, 0.3430



45.3217, 0.4019, 0.4075

Sweetspot

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



45.3234, 0.2206, 0.3012



85.5659, 0.2752, 0.3216



49.8272, 0.2967, 0.5662



17.9469, 0.2703, 0.3205



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.



45.3234, 0.2206, 0.3012



62.8564, 0.2155, 0.2950



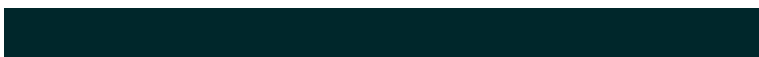
16.4860, 0.1833, 0.1610



13.8698, 0.2983, 0.3264



25.5653, 0.2153, 0.2951



1.6086, 0.2171, 0.3015

Inverse Universe

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



20.0751, 0.3436, 0.1764



26.9839, 0.3498, 0.1706



35.0443, 0.4823, 0.4353



12.6087, 0.3154, 0.3084



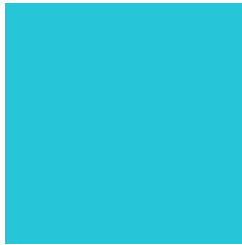
10.9257, 0.3497, 0.1700



0.6657, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 45.3217, 0.2206, 0.3012 looks on a white background.

Color Contrast Check

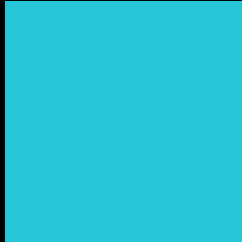
Large Text (above 18pt) WCAG AA × Fail

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 45.3217, 0.2206, 0.3012 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 45.3217, 0.2206, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 45.3217, 0.2206, 0.3012.



This preview shows how white text looks on a background with the Yxy color 45.3217, 0.2206, 0.3012.

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

45.3217, 0.2206, 0.3012

Protanopia

44.7072, 0.2908, 0.2966

Deuteranopia

44.3768, 0.2763, 0.2700



Tritanopia

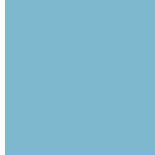
45.1117, 0.2213, 0.3053

Trichromacy



Original Color

45.3217, 0.2206, 0.3012



Protanomaly

43.1459, 0.2535, 0.2967



Deuteranomaly

42.8555, 0.2457, 0.2783



Tritanomaly

45.1809, 0.2211, 0.3039

Monochromacy



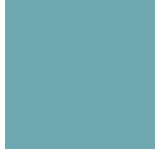
Original Color

45.3217, 0.2206, 0.3012



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.4799, 0.2608, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3217, 0.2206, 0.3012 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(39, 197, 216)` looks like.

```
.text, #text, p{  
    color:rgb(39, 197, 216)  
}
```

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(39, 197, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 197, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.3217, 0.2206, 0.3012 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(39, 197, 216) }
```

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

```
.border{ border-color:rgb(39, 197, 216) }
```

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

Here you see how a box with a 4 pixel rgb(39, 197, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 197, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 197, 216);  
box-shadow:4px 4px 4px 4px rgb(39, 197,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3217, 0.2206, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 197, 216) }
```

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

```
.background{ background-color: rgb(39, 197,  
216) }
```

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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