

Converting Colors

$Y_{xy}(47.2753, 0.2223, 0.3058)$

Have a look what the booklet for
Yxy(47.2753, 0.2223, 0.3058)
contains.

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Color

Yxy(47.2753, 0.2223, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	2AC9D9
RGB	42, 201, 217
RGB Percent	16%, 79%, 85%
CMY	0.8350, 0.2118, 0.1490
CMYK	0.81, 0.07, 0.00, 0.15
HSL	185°, 70%, 51%
HSV	185°, 81%, 85%
XYZ	34.3666, 47.2753, 72.9536
YIQ	155.2830, -99.9000, -28.7320

Conversions

Conversions Part 2

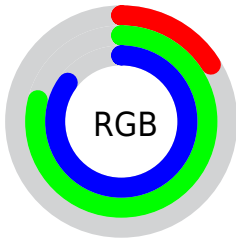
Format	Color
R _Y B	42, 125, 217
Decimal	2804185
CIE Lab	74.37, -33.30, -19.21
CIE LCh	74, 38.441, 209.975
Yxy	47.2753, 0.2223, 0.3058
Android (android.graphics.Color)	4280994265 (0xFF2AC9D9)
YUV	155.2830, 30.4265, -99.3492
Hunter-Lab	68.7570, -31.1058, -14.7788

Details

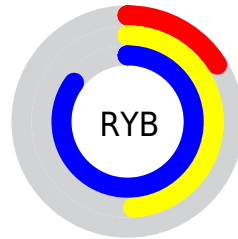
The Yxy color **47.2753, 0.2223, 0.3058** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.9504, 0.5813, 0.3416**, and the grayscale version is **32.8153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **23.1664, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **46.0170, 0.2187, 0.3027**, and if you desaturate by 10%, it is **48.7965, 0.2278, 0.3090**.

Distribution



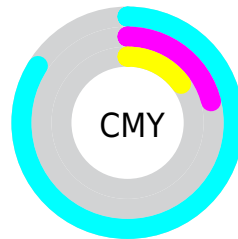
- Red (16%)
- Green (79%)
- Blue (85%)



- Red (16%)
- Yellow (49%)
- Blue (85%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (84%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2753, 0.2223, 0.3058 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 47.2753, 0.2223, 0.3058 by changing the saturation by 10% instead.


 47.2753, 0.2223,
0.3058


 47.2753, 0.2223,
0.3058

375.9123, 0.2657,
0.3188


 33.2533, 0.2121,
0.3022


 86.1244, 0.2376,
0.3108


 22.3206, 0.1994,
0.2974


 111.7204, 0.2435,
0.3126

 14.0927, 0.1832,
0.2907


 141.9431, 0.2485,
0.3141

 8.1851, 0.1620,
0.2809

 177.1770, 0.2529,
0.3153

 4.2136, 0.1335,
0.2656

 217.8065, 0.2567,
0.3164

 1.7938, 0.0934,
0.2398

264.2159, 0.2601,

 0.4833, 0.0000,

0.3173

0.1814

316.7898, 0.2631,
0.3181

■ 0.0000, 0.0000,
0.0000

■ 47.2753, 0.2223,
0.3058

■ 47.2753, 0.2223,
0.3058

■ 46.0170, 0.2187,
0.3027

■ 48.7965, 0.2278,
0.3090

■ 45.0126, 0.2166,
0.2998

■ 50.6103, 0.2352,
0.3121

■ 52.7482, 0.2445,
0.3152

■ 55.2356, 0.2555,
0.3183

■ 58.0959, 0.2680,
0.3212

61.3500, 0.2818,
0.3239

65.0174, 0.2965,
0.3265

69.1162, 0.3118,
0.3289

73.6635, 0.3274,
0.3310

Harmonies

Analogous

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



47.2753, 0.2499, 0.3591



47.2753, 0.2223, 0.3058



47.2753, 0.2170, 0.2658

Triad

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



47.2753, 0.2223, 0.3058



47.2753, 0.3233, 0.2660



47.2753, 0.3935, 0.4139

Complementary

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



47.2753, 0.2223, 0.3058



17.9504, 0.5813, 0.3416

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.



47.2753, 0.4180, 0.3805



47.2753, 0.2223, 0.3058



47.2753, 0.3763, 0.2985

Square

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



47.2753, 0.2223, 0.3058



47.2753, 0.2715, 0.2472



47.2753, 0.4122, 0.3390



47.2753, 0.3481, 0.4263

Rectangle

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



47.2753, 0.2223, 0.3058



47.2753, 0.2260, 0.2504



47.2753, 0.4122, 0.3390



47.2753, 0.4045, 0.4044

Sweetspot

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



47.2770, 0.2223, 0.3058



86.6650, 0.2767, 0.3230



50.4076, 0.2975, 0.5660



18.1908, 0.2718, 0.3220



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.



47.2770, 0.2223, 0.3058



65.2011, 0.2171, 0.3004



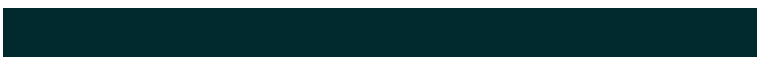
17.7539, 0.1860, 0.1685



14.6154, 0.2982, 0.3268



27.3325, 0.2167, 0.3002



1.8315, 0.2181, 0.3053

Inverse Universe

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



20.6285, 0.3396, 0.1752



27.2743, 0.3450, 0.1682



34.8973, 0.4830, 0.4319



13.2532, 0.3152, 0.3080



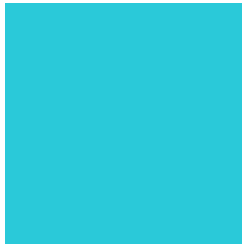
11.3830, 0.3452, 0.1675



0.7436, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 47.2753, 0.2223, 0.3058 looks on a white background.

Color Contrast Check

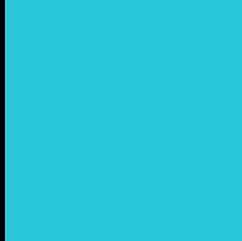
Large Text (above 18pt) WCAG AA × Fail

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 47.2753, 0.2223, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

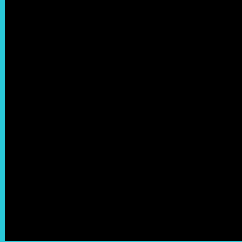
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2753, 0.2223, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 47.2753, 0.2223, 0.3058.



This preview shows how white text looks on a background with the Yxy color 47.2753, 0.2223, 0.3058.

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

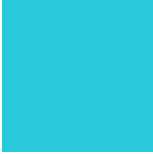
47.2753, 0.2223, 0.3058

Protanopia

46.4193, 0.2934, 0.2996

Deuteranopia

46.6984, 0.2806, 0.2747



Tritanopia

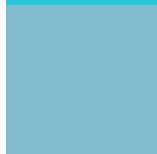
47.2753, 0.2223, 0.3058

Trichromacy



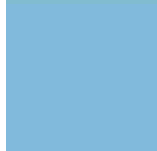
Original Color

47.2753, 0.2223, 0.3058



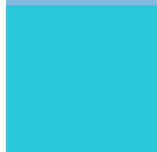
Protanomaly

45.1876, 0.2562, 0.3013



Deuteranomaly

44.9522, 0.2490, 0.2831



Tritanomaly

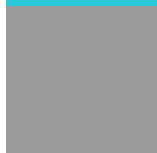
47.2753, 0.2223, 0.3058

Monochromacy



Original Color

47.2753, 0.2223, 0.3058



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.2968, 0.2617, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2753, 0.2223, 0.3058 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(42, 201, 217)` looks like.

```
.text, #text, p{  
    color:rgb(42, 201, 217)  
}
```

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(42, 201, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 201, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.2753, 0.2223, 0.3058 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(42, 201, 217) }
```

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

```
.border{ border-color:rgb(42, 201, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 201, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 201, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 201, 217);  
box-shadow:4px 4px 4px 4px rgb(42, 201,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2753, 0.2223, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 201, 217) }
```

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

```
.background{ background-color: rgb(42, 201,  
217) }
```

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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