

Converting Colors

$Y_{xy}(47.7102, 0.2222, 0.3142)$

Have a look what the booklet for
Yxy(47.7102, 0.2222, 0.3142)
contains.

Yxy(47.7102, 0.2222, 0.3142)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7102, 0.2222, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	18CBD5
RGB	24, 203, 213
RGB Percent	9%, 80%, 84%
CMY	0.9068, 0.2039, 0.1646
CMYK	0.89, 0.05, 0.00, 0.16
HSL	183°, 80%, 46%
HSV	183°, 89%, 84%
XYZ	33.7403, 47.7102, 70.3961
YIQ	150.6190, -109.8940, -34.8380

Conversions

Conversions Part 2

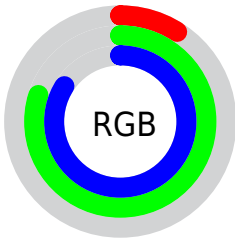
Format	Color
R _Y B	24, 116, 213
Decimal	1625045
CIE Lab	74.64, -36.67, -16.66
CIE LCh	75, 40.275, 204.435
Yxy	47.7102, 0.2222, 0.3142
Android (android.graphics.Color)	4279815125 (0xFF18CBD5)
YUV	150.6190, 30.7538, -111.0449
Hunter-Lab	69.0726, -33.6840, -12.0753

Details

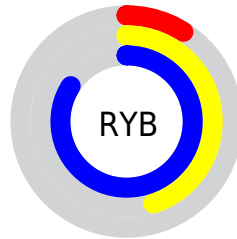
The Yxy color **47.7102, 0.2222, 0.3142** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.3454, 0.6145, 0.3347**, and the grayscale version is **30.6476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **23.6484, 0.2193, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **47.0061, 0.2203, 0.3125**, and if you desaturate by 10%, it is **48.6143, 0.2257, 0.3160**.

Distribution



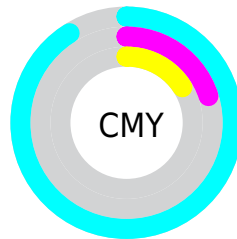
- Red (9%)
- Green (80%)
- Blue (84%)



- Red (9%)
- Yellow (45%)
- Blue (84%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)





- Cyan (91%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7102, 0.2222, 0.3142 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 47.7102, 0.2222, 0.3142 by changing the saturation by 10% instead.


 47.7102, 0.2222,
0.3142

 47.7102, 0.2222,
0.3142

377.6423, 0.2657,
0.3231

 33.5974, 0.2120,
0.3116


 86.7728, 0.2375,
0.3177

 22.5845, 0.1992,
0.3080


 112.4914, 0.2434,
0.3190

 14.2870, 0.1830,
0.3030


 142.8474, 0.2485,
0.3200

 8.3206, 0.1617,
0.2953

 178.2252, 0.2529,
0.3208

 4.3007, 0.1329,
0.2829

 219.0092, 0.2567,
0.3215

 1.8432, 0.0915,
0.2612

265.5838, 0.2600,

 0.5139, 0.0000,

0.3221

0.2093

318.3333, 0.2630,
0.3226

■ 0.0000, 0.0000,
0.0000

■ 47.7102, 0.2222,
0.3142

■ 47.7102, 0.2222,
0.3142

■ 47.0061, 0.2203,
0.3125

■ 48.6143, 0.2257,
0.3160

■ 46.9294, 0.2201,
0.3123

■ 49.7642, 0.2310,
0.3178

■ 51.1938, 0.2383,
0.3196

■ 52.9306, 0.2474,
0.3213

■ 54.9985, 0.2583,
0.3231

■ 57.4193, 0.2707,
0.3247

■ 60.2128, 0.2844,
0.3263

■ 63.3972, 0.2991,
0.3278

■ 66.9898, 0.3145,
0.3292

Harmonies

Analogous

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



47.7102, 0.2548, 0.3709



47.7102, 0.2222, 0.3142



47.7102, 0.2124, 0.2691

Triad

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



47.7102, 0.2222, 0.3142



47.7102, 0.3131, 0.2587



47.7102, 0.4035, 0.4121

Complementary

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



47.7102, 0.2222, 0.3142



15.3454, 0.6145, 0.3347

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.



47.7102, 0.4240, 0.3746



47.7102, 0.2222, 0.3142



47.7102, 0.3697, 0.2901

Square

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



47.7102, 0.2222, 0.3142



47.7102, 0.2611, 0.2423



47.7102, 0.4119, 0.3311



47.7102, 0.3591, 0.4306

Rectangle

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



47.7102, 0.2222, 0.3142



47.7102, 0.2189, 0.2505



47.7102, 0.4119, 0.3311



47.7102, 0.4136, 0.4009

Sweetspot

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



47.7120, 0.2222, 0.3142



86.8953, 0.2728, 0.3250



47.9024, 0.2990, 0.5859



18.3109, 0.2683, 0.3244



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.



47.7120, 0.2222, 0.3142



70.4307, 0.2200, 0.3121



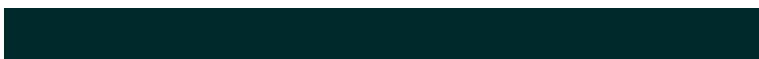
15.9177, 0.1805, 0.1610



13.9900, 0.2983, 0.3277



28.7080, 0.2202, 0.3125



1.7668, 0.2210, 0.3155

Inverse Universe

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



19.1049, 0.3329, 0.1650



27.6412, 0.3349, 0.1619



29.6143, 0.5071, 0.4253



12.6208, 0.3146, 0.3072



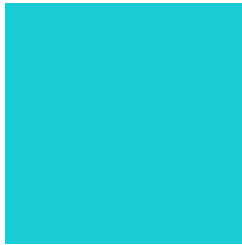
11.2429, 0.3345, 0.1617



0.6817, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 47.7102, 0.2222, 0.3142 looks on a white background.

Color Contrast Check

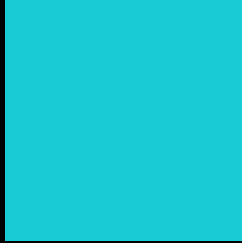
Large Text (above 18pt) WCAG AA × Fail

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 47.7102, 0.2222, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

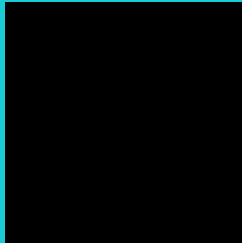
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

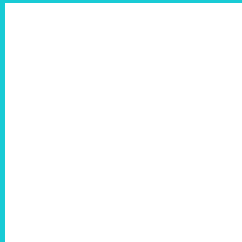
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7102, 0.2222, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 47.7102, 0.2222, 0.3142.



This preview shows how white text looks on a background with the Yxy color 47.7102, 0.2222, 0.3142.

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

47.7102, 0.2222, 0.3142

Protanopia

46.8746, 0.2980, 0.3060

Deuteranopia

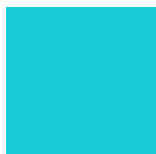
46.9003, 0.2850, 0.2784



Tritanopia

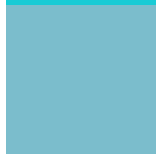
47.6789, 0.2205, 0.3044

Trichromacy



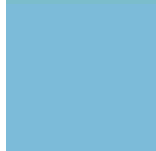
Original Color

47.7102, 0.2222, 0.3142



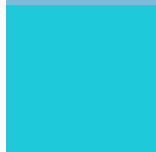
Protanomaly

44.9658, 0.2551, 0.3078



Deuteranomaly

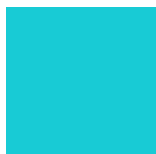
44.8355, 0.2479, 0.2879



Tritanomaly

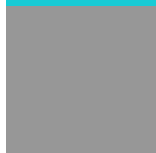
47.5268, 0.2209, 0.3072

Monochromacy



Original Color

47.7102, 0.2222, 0.3142



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.8087, 0.2579, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7102, 0.2222, 0.3142 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(24, 203, 213)` looks like.

```
.text, #text, p{  
    color:rgb(24, 203, 213)  
}
```

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(24, 203, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 203, 213) }
```

Border

The CSS property to change the border of an element to Yxy 47.7102, 0.2222, 0.3142 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(24, 203, 213) }
```

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

```
.border{ border-color:rgb(24, 203, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 203, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 203, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 203, 213);  
box-shadow:4px 4px 4px 4px rgb(24, 203,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7102, 0.2222, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 203, 213) }
```

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

```
.background{ background-color: rgb(24, 203,  
213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor