

Converting Colors

$Y_{xy}(49.6177, 0.2223, 0.3142)$

Have a look what the booklet for
Yxy(49.6177, 0.2223, 0.3142)
contains.

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Color

Yxy(49.8421, 0.2223, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	19CFD9
RGB	25, 207, 217
RGB Percent	10%, 81%, 85%
CMY	0.9035, 0.1882, 0.1490
CMYK	0.89, 0.05, 0.00, 0.15
HSL	183°, 80%, 47%
HSV	183°, 89%, 85%
XYZ	35.2302, 49.8421, 73.4081
YIQ	153.7220, -111.6820, -35.4740

Conversions

Conversions Part 2

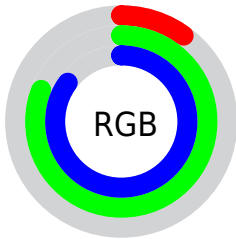
Format	Color
R _Y B	25, 118, 217
Decimal	1691609
CIE Lab	75.97, -37.27, -16.80
CIE LCh	76, 40.877, 204.264
Yxy	49.8421, 0.2223, 0.3145
Android (android.graphics.Color)	4279881689 (0xFF19CFD9)
YUV	153.7220, 31.1961, -112.8892
Hunter-Lab	70.5989, -34.4733, -12.2300

Details

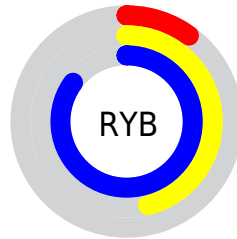
The Yxy color **49.8421, 0.2223, 0.3145** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.9980, 0.6144, 0.3346**, and the grayscale version is **32.0328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **25.0651, 0.2194, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **49.1172, 0.2204, 0.3128**, and if you desaturate by 10%, it is **50.7779, 0.2258, 0.3162**.

Distribution



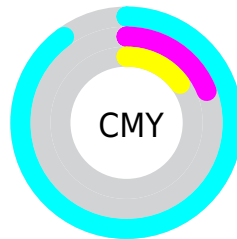
- Red (10%)
- Green (81%)
- Blue (85%)



- Red (10%)
- Yellow (46%)
- Blue (85%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (90%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8421, 0.2223, 0.3145 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 49.8421, 0.2223, 0.3145 by changing the saturation by 10% instead.


 49.8421, 0.2223,
0.3145

 49.8421, 0.2223,
0.3145


386.0481, 0.2654,
0.3231

 35.2880, 0.2122,
0.3120


 89.9409, 0.2374,
0.3179


 23.8848, 0.1998,
0.3085


 116.2543, 0.2433,
0.3191


 15.2482, 0.1839,
0.3037


 147.2563, 0.2483,
0.3201

 8.9937, 0.1632,
0.2964

 183.3312, 0.2526,
0.3209

 4.7371, 0.1355,
0.2847

 224.8634, 0.2564,
0.3216

 2.0938, 0.0972,
0.2641

272.2374, 0.2598,

 0.6612, 0.0000,

0.3222

0.2291

325.8375, 0.2628,
0.3227

■ 0.0000, 0.0000,
0.0000

■ 49.8421, 0.2223,
0.3145

■ 49.8421, 0.2223,
0.3145

■ 49.1172, 0.2204,
0.3128

■ 50.7779, 0.2258,
0.3162

■ 49.0261, 0.2202,
0.3126

■ 51.9706, 0.2311,
0.3180

■ 53.4559, 0.2384,
0.3198

■ 55.2622, 0.2476,
0.3215

■ 57.4147, 0.2585,
0.3232

■ 59.9362, 0.2710,
0.3248

■ 62.8471, 0.2847,
0.3264

■ 66.1668, 0.2994,
0.3278

■ 69.9130, 0.3148,
0.3292

Harmonies

Analogous

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



49.8421, 0.2550, 0.3712



49.8421, 0.2223, 0.3145



49.8421, 0.2124, 0.2692

Triad

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



49.8421, 0.2223, 0.3145



49.8421, 0.3127, 0.2585



49.8421, 0.4037, 0.4119

Complementary

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



49.8421, 0.2223, 0.3145



15.9980, 0.6144, 0.3346

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.



49.8421, 0.4241, 0.3744



49.8421, 0.2223, 0.3145



49.8421, 0.3694, 0.2899

Square

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



49.8421, 0.2223, 0.3145



49.8421, 0.2608, 0.2423



49.8421, 0.4117, 0.3308



49.8421, 0.3594, 0.4306

Rectangle

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



49.8421, 0.2223, 0.3145



49.8421, 0.2188, 0.2506



49.8421, 0.4117, 0.3308



49.8421, 0.4138, 0.4008

Sweetspot

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



49.8439, 0.2223, 0.3145



86.9392, 0.2728, 0.3251



49.9439, 0.2990, 0.5857



18.3215, 0.2683, 0.3245



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.



49.8439, 0.2223, 0.3145



70.5848, 0.2201, 0.3124



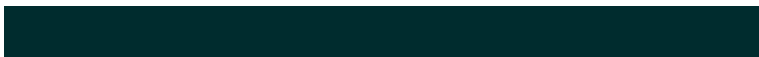
16.6196, 0.1806, 0.1612



14.7077, 0.2982, 0.3277



29.7272, 0.2202, 0.3128



1.9621, 0.2210, 0.3156

Inverse Universe

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



19.9357, 0.3326, 0.1649



27.6567, 0.3346, 0.1617



30.8974, 0.5069, 0.4253



13.2626, 0.3146, 0.3071



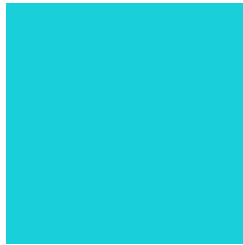
11.6247, 0.3343, 0.1615



0.7568, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 49.8421, 0.2223, 0.3145 looks on a white background.

Color Contrast Check

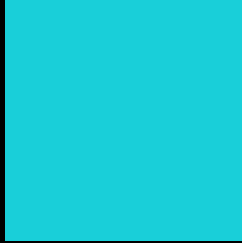
Large Text (above 18pt) WCAG AA × Fail

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 49.8421, 0.2223, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

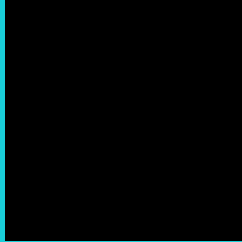
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

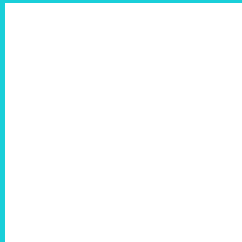
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8421, 0.2223, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 49.8421, 0.2223, 0.3145.



This preview shows how white text looks on a background with the Yxy color 49.8421, 0.2223, 0.3145.

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

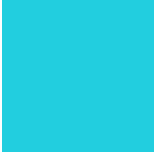
49.8421, 0.2223, 0.3145

Protanopia

48.7831, 0.2983, 0.3051

Deuteranopia

49.2227, 0.2855, 0.2794



Tritanopia

49.8104, 0.2206, 0.3049

Trichromacy



Original Color

49.8421, 0.2223, 0.3145



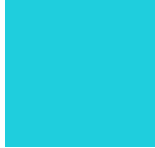
Protanomaly

46.6890, 0.2552, 0.3068



Deuteranomaly

46.9941, 0.2484, 0.2887



Tritanomaly

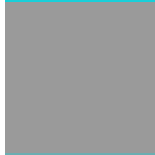
49.6544, 0.2210, 0.3075

Monochromacy



Original Color

49.8421, 0.2223, 0.3145



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.1873, 0.2580, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8421, 0.2223, 0.3145 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(25, 207, 217)` looks like.

```
.text, #text, p{  
    color:rgb(25, 207, 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(25, 207, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 207, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.8421, 0.2223, 0.3145 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(25, 207, 217) }
```

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

```
.border{ border-color:rgb(25, 207, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 207, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 207, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 207, 217);  
box-shadow:4px 4px 4px 4px rgb(25, 207,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8421, 0.2223, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 207, 217) }
```

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

```
.background{ background-color: rgb(25, 207,  
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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