

Converting Colors

$Yxy(39.3159, 0.2106, 0.2683)$

Have a look what the booklet for
Yxy(39.3159, 0.2106, 0.2683)
contains.

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Color

Yxy(39.1610, 0.2104, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	21B6E0
RGB	33, 182, 224
RGB Percent	13%, 71%, 88%
CMY	0.8704, 0.2863, 0.1214
CMYK	0.85, 0.19, 0.00, 0.12
HSL	193°, 76%, 50%
HSV	193°, 85%, 88%
XYZ	30.8133, 39.1610, 76.4767
YIQ	142.2370, -102.2860, -18.5260

Conversions

Conversions Part 2

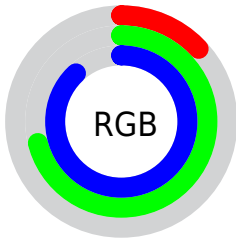
Format	Color
R _Y B	33, 117, 224
Decimal	2209504
CIE Lab	68.87, -22.33, -31.46
CIE LCh	69, 38.576, 234.634
Yxy	39.1610, 0.2104, 0.2674
Android (android.graphics.Color)	4280399584 (0xFF21B6E0)
YUV	142.2370, 40.3092, -95.8008
Hunter-Lab	62.5788, -21.6208, -28.6525

Details

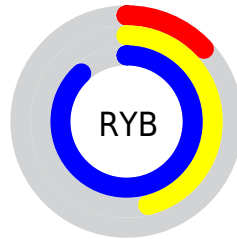
The Yxy color **39.1610, 0.2104, 0.2674** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **21.0043, 0.5756, 0.3604**, and the grayscale version is **27.0223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0139, 0.2387, 0.3087**, and **18.5651, 0.2031, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **36.9230, 0.2060, 0.2593**, and if you desaturate by 10%, it is **41.7184, 0.2167, 0.2756**.

Distribution



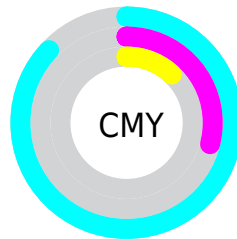
- Red (13%)
- Green (71%)
- Blue (88%)



- Red (13%)
- Yellow (46%)
- Blue (88%)



- Cyan (85%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)





- Cyan (87%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1610, 0.2104, 0.2674 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 39.1610, 0.2104, 0.2674 by changing the saturation by 10% instead.


 39.1610, 0.2104,
0.2674


 39.1610, 0.2104,
0.2674


342.5745, 0.2604,
0.2999


 26.8850, 0.1985,
0.2590


 73.8842, 0.2282,
0.2795


 17.4869, 0.1837,
0.2481


 97.1002, 0.2350,
0.2839

 10.5822, 0.1648,
0.2335


 124.7317, 0.2408,
0.2877

 5.7867, 0.1403,
0.2133

 157.1629, 0.2458,
0.2908

 2.7158, 0.1079,
0.1840

 194.7785, 0.2502,
0.2936

 0.9852, 0.0557,
0.1415

237.9627, 0.2540,

 0.0000, 0.0000,

0.2959

0.0000

287.0999, 0.2574,
0.2980

■ 39.1610, 0.2104,
0.2674

■ 39.1610, 0.2104,
0.2674

■ 36.9230, 0.2060,
0.2593

■ 41.7184, 0.2167,
0.2756

■ 35.9369, 0.2043,
0.2555

■ 44.6338, 0.2250,
0.2837

■ 47.9437, 0.2352,
0.2917

■ 51.6783, 0.2470,
0.2994

■ 55.8644, 0.2602,
0.3068

■ 60.5263, 0.2744,
0.3138

■ 65.6866, 0.2893,
0.3202

■ 71.3660, 0.3046,
0.3261

■ 77.5841, 0.3200,
0.3315

Harmonies

Analogous

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



39.1610, 0.2201, 0.3134



39.1610, 0.2104, 0.2674



39.1610, 0.2243, 0.2431

Triad

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



39.1610, 0.2104, 0.2674



39.1610, 0.3713, 0.2895



39.1610, 0.3597, 0.4330

Complementary

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



39.1610, 0.2104, 0.2674



21.0043, 0.5756, 0.3604

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.



39.1610, 0.4052, 0.4140



39.1610, 0.2104, 0.2674



39.1610, 0.4144, 0.3313

Square

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



39.1610, 0.2104, 0.2674



39.1610, 0.3134, 0.2574



39.1610, 0.4265, 0.3756



39.1610, 0.3039, 0.4187

Rectangle

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



39.1610, 0.2104, 0.2674



39.1610, 0.2460, 0.2392



39.1610, 0.4265, 0.3756



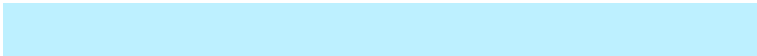
39.1610, 0.3767, 0.4298

Sweetspot

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



39.1624, 0.2104, 0.2674



80.5616, 0.2730, 0.3132



54.1518, 0.2907, 0.5515



16.7653, 0.2680, 0.3108



0.0000, 0.0000, 0.0000



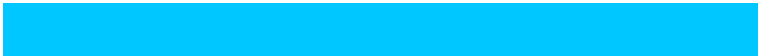
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1624, 0.2104, 0.2674



48.0116, 0.2042, 0.2550



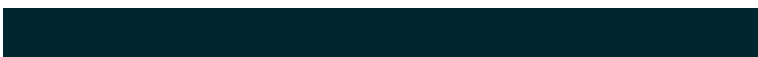
12.5488, 0.1715, 0.1229



15.0337, 0.2982, 0.3237



21.0886, 0.2047, 0.2568



1.5898, 0.2081, 0.2692

Inverse Universe

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



20.3194, 0.3744, 0.1914



25.3779, 0.3873, 0.1907



44.6804, 0.4643, 0.4571



13.8813, 0.3171, 0.3109



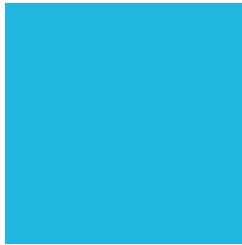
11.0369, 0.3856, 0.1898



0.7779, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 39.1610, 0.2104, 0.2674 looks on a white background.

Color Contrast Check

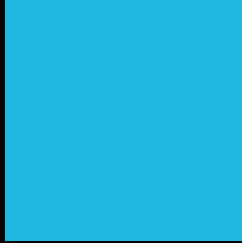
Large Text (above 18pt) WCAG AA × Fail

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 39.1610, 0.2104, 0.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

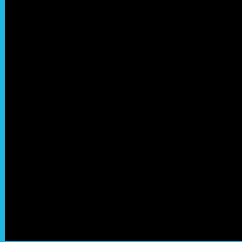
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1610, 0.2104, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 39.1610, 0.2104, 0.2674.



This preview shows how white text looks on a background with the Yxy color 39.1610, 0.2104, 0.2674.

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

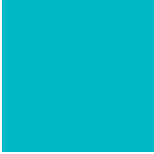
39.1610, 0.2104, 0.2674

Protanopia

38.5820, 0.2683, 0.2673

Deuteranopia

38.8076, 0.2522, 0.2467



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

39.1610, 0.2104, 0.2674



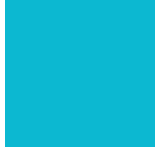
Protanomaly

37.4632, 0.2370, 0.2649



Deuteranomaly

37.7360, 0.2288, 0.2511



Tritanomaly

38.9626, 0.2148, 0.2906

Monochromacy



Original Color

39.1610, 0.2104, 0.2674



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.9173, 0.2539, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1610, 0.2104, 0.2674 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(33, 182, 224)` looks like.

```
.text, #text, p{  
    color:rgb(33, 182, 224)  
}
```

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(33, 182, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 182, 224) }
```

Border

The CSS property to change the border of an element to Yxy 39.1610, 0.2104, 0.2674 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(33, 182, 224) }
```

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

```
.border{ border-color:rgb(33, 182, 224) }
```

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

Here you see how a box with a 4 pixel rgb(33, 182, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 182, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 182, 224);  
box-shadow:4px 4px 4px 4px rgb(33, 182,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1610, 0.2104, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 182, 224) }
```

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

```
.background{ background-color: rgb(33, 182,  
224) }
```

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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