

Converting Colors

$Yxy(52.0417, 0.1566, 0.3174)$

Have a look what the booklet for
Yxy(52.0417, 0.1566, 0.3174)
contains.

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Color

Yxy(60.3332, 0.2217, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	00E2EA
RGB	0, 226, 234
RGB Percent	0%, 89%, 92%
CMY	1.0000, 0.1137, 0.0823
CMYK	1.00, 0.03, 0.00, 0.08
HSL	182°, 100%, 46%
HSV	182°, 100%, 92%
XYZ	42.0493, 60.3332, 87.2849
YIQ	159.3380, -137.2640, -45.4240

Conversions

Conversions Part 2

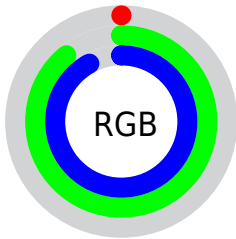
Format	Color
RYB	0, 115, 234
Decimal	58090
CIELab	82.02, -41.51, -16.79
CIElCh	82, 44.777, 202.026
Yxy	60.3332, 0.2217, 0.3181
Android (android.graphics.Color)	4278248170 (0xFF00E2EA)
YUV	159.3380, 36.8084, -139.7394
Hunter-Lab	77.6744, -39.2989, -12.2537

Details

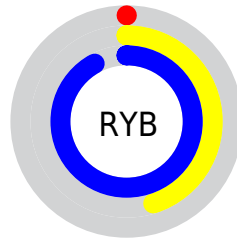
The Yxy color **60.3332, 0.2217, 0.3181** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.6701, 0.6382, 0.3314**, and the grayscale version is **34.7122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **31.9638, 0.2208, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **60.3351, 0.2217, 0.3181**, and if you desaturate by 10%, it is **60.9596, 0.2232, 0.3192**.

Distribution



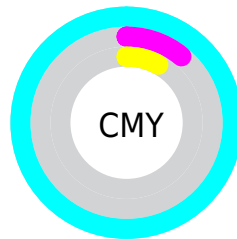
- Red (0%)
- Green (89%)
- Blue (92%)



- Red (0%)
- Yellow (45%)
- Blue (92%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3332, 0.2217, 0.3181 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 60.3332, 0.2217, 0.3181 by changing the saturation by 10% instead.


 60.3332, 0.2217,
0.3181


 60.3332, 0.2217,
0.3181


425.8248, 0.2637,
0.3248


 43.6873, 0.2123,
0.3161


 105.3129, 0.2362,
0.3208

 30.4247, 0.2007,
0.3135


 134.4154, 0.2418,
0.3217


 20.1612, 0.1863,
0.3098

 168.4389, 0.2467,
0.3225

 12.5123, 0.1678,
0.3043

 207.7677, 0.2510,
0.3231

 7.0936, 0.1437,
0.2958

 252.7864, 0.2547,
0.3236

 3.5207, 0.1113,
0.2814

303.8792, 0.2580,

 1.4092, 0.0464,

0.3241

0.2602

361.4305, 0.2610,
0.3245

■ 0.2235, 0.0000,
0.1303

■ 0.0000, 0.0000,
0.0000

■ 60.3332, 0.2217,
0.3181

■ 60.3332, 0.2217,
0.3181

■ 60.3351, 0.2217,
0.3181

■ 60.9596, 0.2232,
0.3192

■ 61.8116, 0.2262,
0.3203

■ 62.9631, 0.2311,
0.3215

■ 64.4558, 0.2378,
0.3227

66.3249, 0.2465,
0.3238

68.6012, 0.2571,
0.3250

71.3122, 0.2692,
0.3261

74.4833, 0.2827,
0.3271

78.1375, 0.2973,
0.3281

Harmonies

Analogous

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



60.3332, 0.2567, 0.3767



60.3332, 0.2217, 0.3181



60.3332, 0.2098, 0.2703

Triad

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



60.3332, 0.2217, 0.3181



60.3332, 0.3083, 0.2550



60.3332, 0.4087, 0.4115

Complementary

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



60.3332, 0.2217, 0.3181



17.6701, 0.6382, 0.3314

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.



60.3332, 0.4274, 0.3720



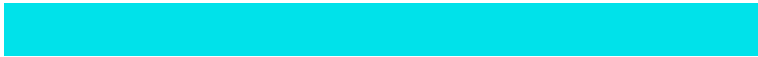
60.3332, 0.2217, 0.3181



60.3332, 0.3668, 0.2861

Square

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



60.3332, 0.2217, 0.3181



60.3332, 0.2560, 0.2397



60.3332, 0.4122, 0.3274



60.3332, 0.3645, 0.4331

Rectangle

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



60.3332, 0.2217, 0.3181



60.3332, 0.2152, 0.2502



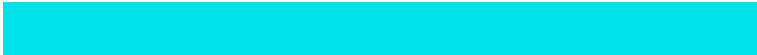
60.3332, 0.4122, 0.3274



60.3332, 0.4183, 0.3996

Sweetspot

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



60.3354, 0.2217, 0.3181



86.6032, 0.2690, 0.3260



58.8741, 0.2996, 0.5984



18.2245, 0.2637, 0.3256



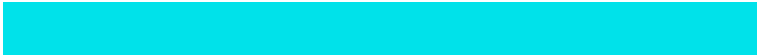
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



60.3354, 0.2217, 0.3181



73.2915, 0.2217, 0.3181



16.9251, 0.1734, 0.1443



17.0282, 0.2981, 0.3281



33.9385, 0.2218, 0.3183



2.6928, 0.2222, 0.3198

Inverse Universe

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



22.9871, 0.3298, 0.1590



27.9300, 0.3298, 0.1591



32.1166, 0.5330, 0.4150



15.3043, 0.3143, 0.3066



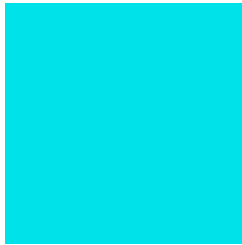
12.9189, 0.3297, 0.1590



1.0172, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 60.3332, 0.2217, 0.3181 looks on a white background.

Color Contrast Check

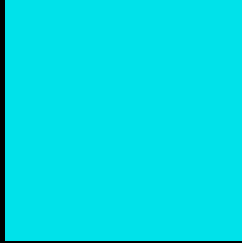
Large Text (above 18pt) WCAG AA × Fail

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 60.3332, 0.2217, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

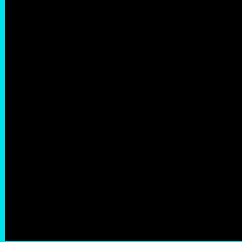
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.3332, 0.2217, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 60.3332, 0.2217, 0.3181.



This preview shows how white text looks on a background with the Yxy color 60.3332, 0.2217, 0.3181.

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

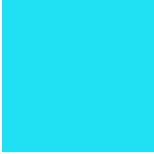
60.3332, 0.2217, 0.3181

Protanopia

59.2528, 0.3008, 0.3092

Deuteranopia

59.3759, 0.2875, 0.2819



Tritanopia

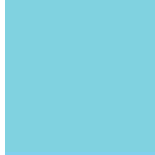
60.6286, 0.2201, 0.3054

Trichromacy



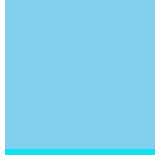
Original Color

60.3332, 0.2217, 0.3181



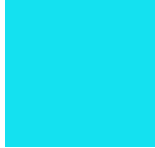
Protanomaly

56.0642, 0.2517, 0.3107



Deuteranomaly

55.9519, 0.2448, 0.2911



Tritanomaly

60.2904, 0.2202, 0.3091

Monochromacy



Original Color

60.3332, 0.2217, 0.3181



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.1788, 0.2515, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3332, 0.2217, 0.3181 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(0, 226, 234)` looks like.

```
.text, #text, p{  
  color:rgb(0, 226, 234)  
}
```

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(0, 226, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 234) }
```

Border

The CSS property to change the border of an element to Yxy 60.3332, 0.2217, 0.3181 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(0, 226, 234) }
```

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

```
.border{ border-color:rgb(0, 226, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3332, 0.2217, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 234) }
```

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

```
.background{ background-color: rgb(0, 226,  
234) }
```

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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