

Converting Colors

$Yxy(64.6877, 0.2355, 0.3655)$

Have a look what the booklet for
Yxy(64.6877, 0.2355, 0.3655)
contains.

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Color

Yxy(64.6799, 0.2355, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	0DECD1
RGB	13, 236, 209
RGB Percent	5%, 93%, 82%
CMY	0.9471, 0.0745, 0.1804
CMYK	0.94, 0.00, 0.11, 0.07
HSL	173°, 89%, 49%
HSV	173°, 94%, 93%
XYZ	41.6747, 64.6799, 70.6082
YIQ	166.2450, -124.2410, -55.6730

Conversions

Conversions Part 2

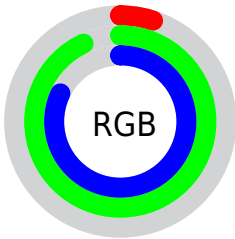
Format	Color
RYB	13, 132, 236
Decimal	912593
CIELab	84.32, -52.56, -0.15
CIELCh	84, 52.555, 180.163
Yxy	64.6799, 0.2355, 0.3655
Android (android.graphics.Color)	4279102673 (0xFF0DECD1)
YUV	166.2450, 21.0782, -134.3959
Hunter-Lab	80.4238, -48.2449, 4.2430

Details

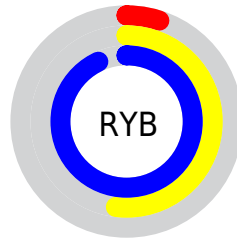
The Yxy color **64.6799, 0.2355, 0.3655** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **18.2894, 0.6147, 0.3200**, and the grayscale version is **38.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **34.6068, 0.2365, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **64.5124, 0.2355, 0.3679**, and if you desaturate by 10%, it is **65.1311, 0.2364, 0.3613**.

Distribution



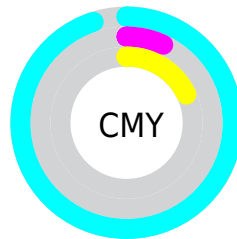
- Red (5%)
- Green (93%)
- Blue (82%)



- Red (5%)
- Yellow (52%)
- Blue (93%)



- Cyan (94%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)





- Cyan (95%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6799, 0.2355, 0.3655 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 64.6799, 0.2355, 0.3655 by changing the saturation by 10% instead.


 64.6799, 0.2355,
0.3655


 64.6799, 0.2355,
0.3655


441.6408, 0.2716,
0.3485


 47.2016, 0.2272,
0.3694


 111.5895, 0.2480,
0.3596

 33.1950, 0.2170,
0.3742


 141.7896, 0.2529,
0.3573

 22.2759, 0.2041,
0.3803


 176.9991, 0.2571,
0.3553

 14.0598, 0.1874,
0.3882

 217.6023, 0.2607,
0.3536

 8.1622, 0.1649,
0.3987

 263.9837, 0.2639,
0.3521

 4.1989, 0.1334,
0.4135

316.5276, 0.2668,

 1.7855, 0.0563,

0.3507

0.4497

375.6185, 0.2693,
0.3496

■ 0.4781, 0.0000,
0.4738

■ 0.0000, 0.0000,
0.0000

■ 64.6799, 0.2355,
0.3655

■ 64.6799, 0.2355,
0.3655


■ 64.5124, 0.2355,
0.3679

■ 65.1311, 0.2364,
0.3613


■ 65.8640, 0.2392,
0.3570

■ 66.9281, 0.2439,
0.3527

■ 68.3618, 0.2506,
0.3485

 70.1984, 0.2590,
0.3445

 72.4673, 0.2692,
0.3405

 75.1951, 0.2807,
0.3369

 78.4065, 0.2933,
0.3334

 82.1242, 0.3068,
0.3303

Harmonies

Analogous

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



64.6799, 0.2900, 0.4262



64.6799, 0.2355, 0.3655



64.6799, 0.2034, 0.2986

Triad

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



64.6799, 0.2355, 0.3655



64.6799, 0.2624, 0.2311



64.6799, 0.4413, 0.3893

Complementary

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



64.6799, 0.2355, 0.3655



18.2894, 0.6147, 0.3200

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.



64.6799, 0.4355, 0.3395



64.6799, 0.2355, 0.3655



64.6799, 0.3255, 0.2535

Square

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



64.6799, 0.2355, 0.3655



64.6799, 0.2180, 0.2291



64.6799, 0.3913, 0.2918



64.6799, 0.4098, 0.4316

Rectangle

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



64.6799, 0.2355, 0.3655



64.6799, 0.1968, 0.2640



64.6799, 0.3913, 0.2918



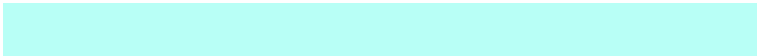
64.6799, 0.4440, 0.3730

Sweetspot

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



64.6824, 0.2355, 0.3655



88.3355, 0.2761, 0.3382



60.5369, 0.3045, 0.5932



18.6111, 0.2712, 0.3399



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.



64.6824, 0.2355, 0.3655



76.9051, 0.2356, 0.3681



29.3919, 0.1925, 0.2100



17.0886, 0.2997, 0.3319



35.5742, 0.2353, 0.3672



2.8023, 0.2337, 0.3614

Inverse Universe

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



18.2894, 0.6147, 0.3200



21.3586, 0.6279, 0.3233



26.0603, 0.5683, 0.3821



15.0838, 0.3274, 0.3262



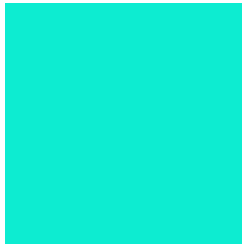
9.8876, 0.6247, 0.3215



0.7861, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 64.6799, 0.2355, 0.3655 looks on a white background.

Color Contrast Check

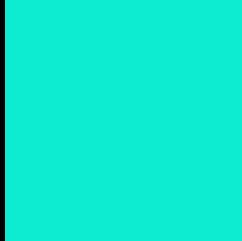
Large Text (above 18pt) WCAG AA × Fail

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 64.6799, 0.2355, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

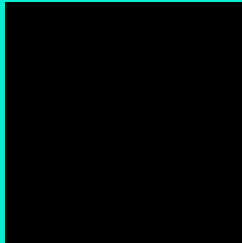
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6799, 0.2355, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 64.6799, 0.2355, 0.3655.



This preview shows how white text looks on a background with the Yxy color 64.6799, 0.2355, 0.3655.

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

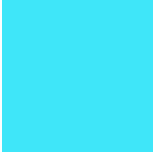
64.6799, 0.2355, 0.3655

Protanopia

63.5609, 0.3295, 0.3462

Deuteranopia

63.2065, 0.3204, 0.3136



Tritanopia

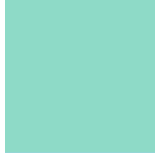
64.4899, 0.2243, 0.3049

Trichromacy



Original Color

64.6799, 0.2355, 0.3655



Protanomaly

60.0171, 0.2742, 0.3536



Deuteranomaly

59.1931, 0.2692, 0.3301



Tritanomaly

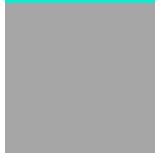
64.2116, 0.2275, 0.3262

Monochromacy



Original Color

64.6799, 0.2355, 0.3655



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.0185, 0.2614, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6799, 0.2355, 0.3655 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(13, 236, 209)` looks like.

```
.text, #text, p{  
    color:rgb(13, 236, 209)  
}
```

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(13, 236, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 236, 209) }
```

Border

The CSS property to change the border of an element to Yxy 64.6799, 0.2355, 0.3655 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(13, 236, 209) }
```

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

```
.border{ border-color:rgb(13, 236, 209) }
```

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

Here you see how a box with a 4 pixel rgb(13, 236, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 236, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 236, 209);  
box-shadow:4px 4px 4px 4px rgb(13, 236,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6799, 0.2355, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 236, 209) }
```

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

```
.background{ background-color: rgb(13, 236,  
209) }
```

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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