

Converting Colors

$Yxy(66.5319, 0.2289, 0.3378)$

Have a look what the booklet for
Yxy(66.5319, 0.2289, 0.3378)
contains.

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Color

Yxy(66.5576, 0.2290, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	1EEDE6
RGB	30, 237, 230
RGB Percent	12%, 93%, 90%
CMY	0.8808, 0.0706, 0.0982
CMYK	0.87, 0.00, 0.03, 0.07
HSL	178°, 85%, 52%
HSV	178°, 87%, 93%
XYZ	45.1071, 66.5576, 85.3095
YIQ	174.3090, -121.1250, -46.0610

Conversions

Conversions Part 2

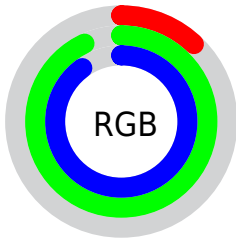
Format	Color
RYB	30, 135, 237
Decimal	2026982
CIELab	85.28, -46.55, -9.76
CIELCh	85, 47.557, 191.840
Yxy	66.5576, 0.2290, 0.3379
Android (android.graphics.Color)	4280217062 (0xFF1EEDE6)
YUV	174.3090, 27.4557, -126.5590
Hunter-Lab	81.5828, -44.0774, -4.8904

Details

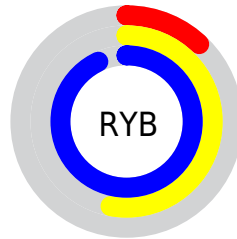
The Yxy color **66.5576, 0.2290, 0.3379** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.0889, 0.6118, 0.3268**, and the grayscale version is **42.4583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **35.7377, 0.2270, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **66.2761, 0.2278, 0.3390**, and if you desaturate by 10%, it is **67.1104, 0.2319, 0.3368**.

Distribution



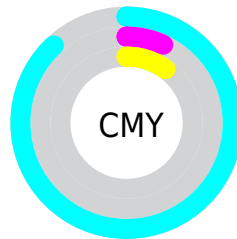
- Red (12%)
- Green (93%)
- Blue (90%)



- Red (12%)
- Yellow (53%)
- Blue (93%)



- Cyan (87%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (88%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5576, 0.2290, 0.3379 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 66.5576, 0.2290, 0.3379 by changing the saturation by 10% instead.


 66.5576, 0.2290,
0.3379


 66.5576, 0.2290,
0.3379


448.3684, 0.2673,
0.3348

 48.7252, 0.2204,
0.3383

 114.2863, 0.2422,
0.3370


 34.4015, 0.2099,
0.3387


 144.9513, 0.2473,
0.3366

 23.2022, 0.1968,
0.3390


 180.6627, 0.2518,
0.3363

 14.7429, 0.1801,
0.3389

 221.8048, 0.2557,
0.3359

 8.6392, 0.1581,
0.3380

268.7620, 0.2591,
0.3356

 4.5066, 0.1283,
0.3352

321.9188, 0.2622,

 1.9608, 0.0793,

0.3353

381.6594, 0.2649,
0.3351

0.3296

0.5845, 0.0000,
0.3000

0.0000, 0.0000,
0.0000

66.5576, 0.2290,
0.3379

66.5576, 0.2290,
0.3379

66.2761, 0.2278,
0.3390


67.1104, 0.2319,
0.3368


66.2202, 0.2276,
0.3393


67.9801, 0.2366,
0.3357


69.2102, 0.2433,
0.3345

70.8354, 0.2519,
0.3335

 72.8866, 0.2623,
0.3324

 75.3914, 0.2743,
0.3314

 78.3752, 0.2876,
0.3304

 81.8615, 0.3019,
0.3296

 85.8721, 0.3170,
0.3288

Harmonies

Analogous

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



66.5576, 0.2718, 0.3969



66.5576, 0.2290, 0.3379



66.5576, 0.2086, 0.2830

Triad

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



66.5576, 0.2290, 0.3379



66.5576, 0.2884, 0.2458



66.5576, 0.4213, 0.4010

Complementary

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



66.5576, 0.2290, 0.3379



19.0889, 0.6118, 0.3268

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.



66.5576, 0.4293, 0.3574



66.5576, 0.2290, 0.3379



66.5576, 0.3483, 0.2727

Square

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



66.5576, 0.2290, 0.3379



66.5576, 0.2402, 0.2365



66.5576, 0.4020, 0.3121



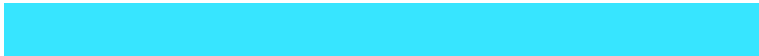
66.5576, 0.3832, 0.4315

Rectangle

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



66.5576, 0.2290, 0.3379



66.5576, 0.2087, 0.2572



66.5576, 0.4020, 0.3121



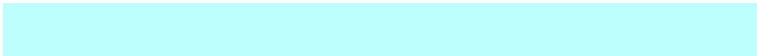
66.5576, 0.4278, 0.3872

Sweetspot

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



66.5601, 0.2290, 0.3379



89.3761, 0.2756, 0.3313



61.1281, 0.3023, 0.5880



18.8921, 0.2712, 0.3316



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.



66.5601, 0.2290, 0.3379



78.1940, 0.2276, 0.3394



26.3506, 0.1898, 0.1937



17.1125, 0.2986, 0.3298



36.1590, 0.2275, 0.3391



2.8421, 0.2271, 0.3376

Inverse Universe

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



19.0889, 0.6118, 0.3268



21.2790, 0.6377, 0.3286



32.3565, 0.5292, 0.4049



15.0623, 0.3288, 0.3282



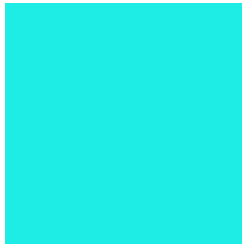
9.8433, 0.6364, 0.3279



0.7759, 0.6265, 0.3225

Previews

White Background



This preview shows how the Yxy color 66.5576, 0.2290, 0.3379 looks on a white background.

Color Contrast Check

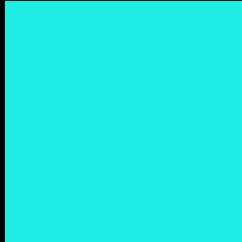
Large Text (above 18pt) WCAG AA × Fail

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 66.5576, 0.2290, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

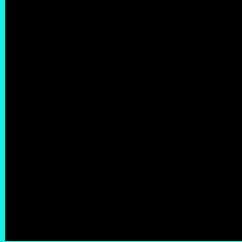
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5576, 0.2290, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 66.5576, 0.2290, 0.3379.

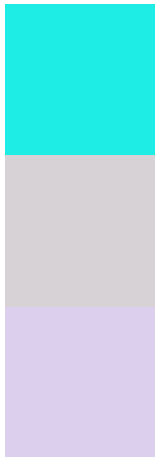


This preview shows how white text looks on a background with the Yxy color 66.5576, 0.2290, 0.3379.

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

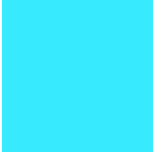
66.5576, 0.2290, 0.3379

Protanopia

65.2444, 0.3129, 0.3245

Deuteranopia

65.4727, 0.3018, 0.2955



Tritanopia

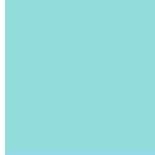
66.7782, 0.2229, 0.3052

Trichromacy



Original Color

66.5576, 0.2290, 0.3379



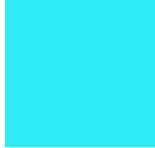
Protanomaly

62.5568, 0.2657, 0.3289



Deuteranomaly

62.1455, 0.2600, 0.3082



Tritanomaly

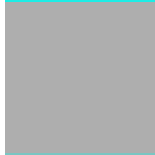
66.6136, 0.2248, 0.3161

Monochromacy



Original Color

66.5576, 0.2290, 0.3379



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.9651, 0.2620, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5576, 0.2290, 0.3379 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(30, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(30, 237, 230)  
}
```

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(30, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 237, 230) }
```

Border

The CSS property to change the border of an element to Yxy 66.5576, 0.2290, 0.3379 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(30, 237, 230) }
```

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

```
.border{ border-color:rgb(30, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(30, 237,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5576, 0.2290, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 237, 230) }
```

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

```
.background{ background-color: rgb(30, 237,  
230) }
```

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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