

Converting Colors

$Y_{xy}(66.3619, 0.2212, 0.3123)$

Have a look what the booklet for
Yxy(66.3619, 0.2212, 0.3123)
contains.

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Color

Yxy(66.3761, 0.2212, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	17EBF8
RGB	23, 235, 248
RGB Percent	9%, 92%, 97%
CMY	0.9079, 0.0785, 0.0274
CMYK	0.91, 0.05, 0.00, 0.03
HSL	183°, 94%, 53%
HSV	183°, 91%, 97%
XYZ	47.0137, 66.3761, 99.1497
YIQ	173.0940, -130.5250, -40.9010

Conversions

Conversions Part 2

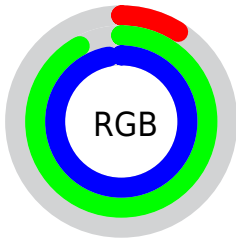
Format	Color
R _Y B	23, 132, 248
Decimal	1567736
CIE Lab	85.19, -40.73, -19.39
CIE LCh	85, 45.109, 205.460
Yxy	66.3761, 0.2212, 0.3123
Android (android.graphics.Color)	4279757816 (0xFF17EBF8)
YUV	173.0940, 36.9287, -131.6324
Hunter-Lab	81.4715, -39.5704, -15.1250

Details

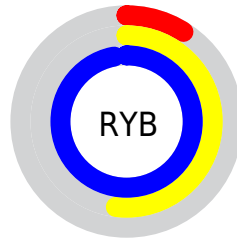
The Yxy color **66.3761, 0.2212, 0.3123** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.3143, 0.6204, 0.3346**, and the grayscale version is **41.7721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **36.0460, 0.2188, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **65.4143, 0.2196, 0.3105**, and if you desaturate by 10%, it is **67.6526, 0.2243, 0.3143**.

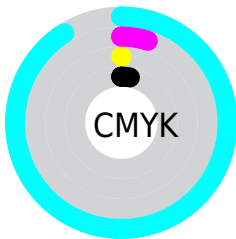
Distribution



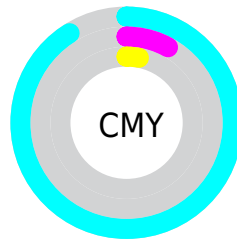
- Red (9%)
- Green (92%)
- Blue (97%)



- Red (9%)
- Yellow (52%)
- Blue (97%)



- Cyan (91%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)





- Cyan (91%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3761, 0.2212, 0.3123 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 66.3761, 0.2212, 0.3123 by changing the saturation by 10% instead.


 66.3761, 0.2212,
0.3123


 66.3761, 0.2212,
0.3123


447.7207, 0.2626,
0.3217

 48.5778, 0.2121,
0.3098

 114.0260, 0.2353,
0.3159

 34.2847, 0.2010,
0.3065


 144.6463, 0.2409,
0.3171

 23.1124, 0.1873,
0.3020


 180.3094, 0.2457,
0.3182

 14.6765, 0.1700,
0.2958

 221.3997, 0.2499,
0.3191

 8.5927, 0.1476,
0.2864

268.3016, 0.2537,
0.3199

 4.4765, 0.1181,
0.2716

321.3995, 0.2570,

 1.9435, 0.0767,

0.3206

0.2467

381.0777, 0.2599,
0.3211

■ 0.5743, 0.0000,
0.1944

■ 0.0000, 0.0000,
0.0000

■ 66.3761, 0.2212,
0.3123

■ 66.3761, 0.2212,
0.3123

■ 65.4143, 0.2196,
0.3105

■ 67.6526, 0.2243,
0.3143

■ 69.2704, 0.2293,
0.3162

■ 71.2809, 0.2363,
0.3182

■ 73.7252, 0.2452,
0.3202

76.6390, 0.2559,
0.3221

80.0543, 0.2682,
0.3240

84.0002, 0.2818,
0.3258

88.5038, 0.2965,
0.3274

93.5901, 0.3119,
0.3289

Harmonies

Analogous

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



66.3761, 0.2531, 0.3691



66.3761, 0.2212, 0.3123



66.3761, 0.2122, 0.2677

Triad

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



66.3761, 0.2212, 0.3123



66.3761, 0.3150, 0.2593



66.3761, 0.4026, 0.4133

Complementary

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



66.3761, 0.2212, 0.3123



21.3143, 0.6204, 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.



66.3761, 0.4242, 0.3762



66.3761, 0.2212, 0.3123



66.3761, 0.3716, 0.2913

Square

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



66.3761, 0.2212, 0.3123



66.3761, 0.2625, 0.2424



66.3761, 0.4132, 0.3326



66.3761, 0.3575, 0.4311

Rectangle

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



66.3761, 0.2212, 0.3123



66.3761, 0.2192, 0.2496



66.3761, 0.4132, 0.3326



66.3761, 0.4130, 0.4024

Sweetspot

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



66.3785, 0.2212, 0.3123



86.6772, 0.2728, 0.3246



67.4498, 0.2991, 0.5893



18.2585, 0.2683, 0.3240



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.



66.3785, 0.2212, 0.3123



69.6665, 0.2196, 0.3105



21.5109, 0.1784, 0.1561



19.4260, 0.2980, 0.3276



35.4059, 0.2197, 0.3108



3.3302, 0.2203, 0.3131

Inverse Universe

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



26.5883, 0.3345, 0.1646



27.5640, 0.3363, 0.1626



40.8806, 0.5119, 0.4245



17.5062, 0.3147, 0.3070



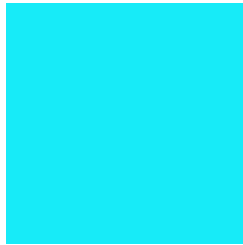
13.9852, 0.3360, 0.1625



1.3004, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 66.3761, 0.2212, 0.3123 looks on a white background.

Color Contrast Check

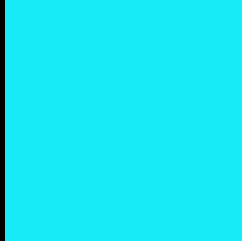
Large Text (above 18pt) WCAG AA × Fail

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 66.3761, 0.2212, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

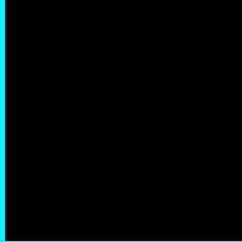
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3761, 0.2212, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 66.3761, 0.2212, 0.3123.

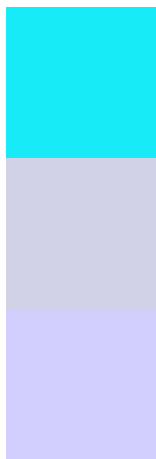


This preview shows how white text looks on a background with the Yxy color 66.3761, 0.2212, 0.3123.

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

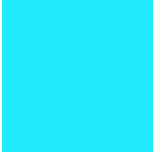
66.3761, 0.2212, 0.3123

Protanopia

64.9824, 0.2972, 0.3034

Deuteranopia

65.0000, 0.2839, 0.2774



Tritanopia

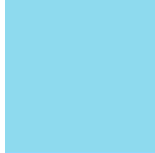
66.2776, 0.2200, 0.3050

Trichromacy



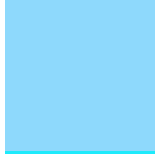
Original Color

66.3761, 0.2212, 0.3123



Protanomaly

62.0666, 0.2534, 0.3044



Deuteranomaly

62.4048, 0.2464, 0.2872



Tritanomaly

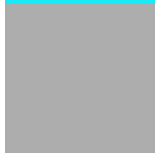
66.0867, 0.2203, 0.3074

Monochromacy



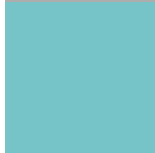
Original Color

66.3761, 0.2212, 0.3123



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.5719, 0.2566, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3761, 0.2212, 0.3123 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(23, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(23, 235, 248)  
}
```

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(23, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 235, 248) }
```

Border

The CSS property to change the border of an element to Yxy 66.3761, 0.2212, 0.3123 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(23, 235, 248) }
```

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

```
.border{ border-color:rgb(23, 235, 248) }
```

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

Here you see how a box with a 4 pixel rgb(23, 235, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 235, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 235, 248);  
box-shadow:4px 4px 4px 4px rgb(23, 235,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3761, 0.2212, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 235, 248) }
```

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

```
.background{ background-color: rgb(23, 235,  
248) }
```

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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