

Converting Colors

$Y_{xy}(64.4779, 0.2218, 0.3134)$

Have a look what the booklet for
Yxy(64.4779, 0.2218, 0.3134)
contains.

Yxy(64.4779, 0.2218, 0.3134)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4779, 0.2218, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	1BE8F4
RGB	27, 232, 244
RGB Percent	11%, 91%, 96%
CMY	0.8950, 0.0902, 0.0431
CMYK	0.89, 0.05, 0.00, 0.04
HSL	183°, 91%, 53%
HSV	183°, 89%, 96%
XYZ	45.6324, 64.4779, 95.6264
YIQ	172.0730, -126.0320, -39.7280

Conversions

Conversions Part 2

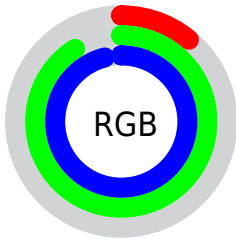
Format	Color
R _{YB}	27, 132, 244
Decimal	1829108
CIE Lab	84.21, -40.44, -18.75
CIE LCh	84, 44.576, 204.870
Yxy	64.4779, 0.2218, 0.3134
Android (android.graphics.Color)	4280019188 (0xFF1BE8F4)
YUV	172.0730, 35.4600, -127.2290
Hunter-Lab	80.2981, -39.0824, -14.3993

Details

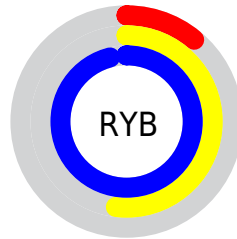
The Yxy color **64.4779, 0.2218, 0.3134** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.7466, 0.6167, 0.3347**, and the grayscale version is **41.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **34.6815, 0.2192, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **63.5103, 0.2200, 0.3116**, and if you desaturate by 10%, it is **65.7198, 0.2252, 0.3153**.

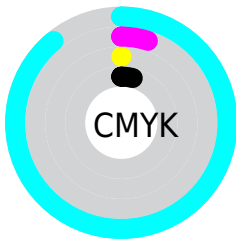
Distribution



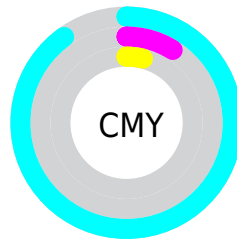
- Red (11%)
- Green (91%)
- Blue (96%)



- Red (11%)
- Yellow (52%)
- Blue (96%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (90%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4779, 0.2218, 0.3134 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 64.4779, 0.2218, 0.3134 by changing the saturation by 10% instead.

 64.4779, 0.2218,
0.3134


 64.4779, 0.2218,
0.3134


440.9134, 0.2632,
0.3223

 47.0379, 0.2126,
0.3110


 111.2989, 0.2360,
0.3168


 33.0656, 0.2014,
0.3078


 141.4487, 0.2415,
0.3180

 22.1767, 0.1876,
0.3035


 176.6038, 0.2463,
0.3190

 13.9868, 0.1700,
0.2973

 217.1486, 0.2506,
0.3199

 8.1115, 0.1472,
0.2881

263.4676, 0.2543,
0.3206

 4.1664, 0.1170,
0.2732

315.9451, 0.2576,

 1.7671, 0.0715,

0.3212

0.2484

374.9656, 0.2605,
0.3218

■ 0.4665, 0.0000,
0.1821

■ 0.0000, 0.0000,
0.0000

■ 64.4779, 0.2218,
0.3134

■ 64.4779, 0.2218,
0.3134

■ 63.5103, 0.2200,
0.3116

■ 65.7198, 0.2252,
0.3153

■ 63.4218, 0.2198,
0.3114

■ 67.2976, 0.2304,
0.3171

■ 69.2591, 0.2377,
0.3190

■ 71.6429, 0.2468,
0.3209

74.4828, 0.2577,
0.3227

77.8089, 0.2702,
0.3245

81.6491, 0.2840,
0.3262

86.0288, 0.2988,
0.3277

90.9719, 0.3142,
0.3291

Harmonies

Analogous

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



64.4779, 0.2541, 0.3701



64.4779, 0.2218, 0.3134



64.4779, 0.2124, 0.2685

Triad

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



64.4779, 0.2218, 0.3134



64.4779, 0.3139, 0.2590



64.4779, 0.4031, 0.4126

Complementary

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



64.4779, 0.2218, 0.3134



20.7466, 0.6167, 0.3347

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.



64.4779, 0.4241, 0.3753



64.4779, 0.2218, 0.3134



64.4779, 0.3705, 0.2906

Square

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



64.4779, 0.2218, 0.3134



64.4779, 0.2617, 0.2424



64.4779, 0.4124, 0.3317



64.4779, 0.3584, 0.4308

Rectangle

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



64.4779, 0.2218, 0.3134



64.4779, 0.2191, 0.2502



64.4779, 0.4124, 0.3317



64.4779, 0.4133, 0.4015

Sweetspot

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



64.4803, 0.2218, 0.3134



86.7972, 0.2728, 0.3248



65.0684, 0.2990, 0.5871



18.2873, 0.2683, 0.3242



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.



64.4803, 0.2218, 0.3134



70.0866, 0.2198, 0.3114



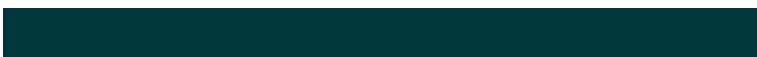
21.3090, 0.1797, 0.1593



18.5918, 0.2981, 0.3276



34.5535, 0.2199, 0.3117



3.0839, 0.2206, 0.3140

Inverse Universe

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



25.8333, 0.3336, 0.1649



27.6064, 0.3355, 0.1622



39.9454, 0.5088, 0.4250



16.7516, 0.3146, 0.3069



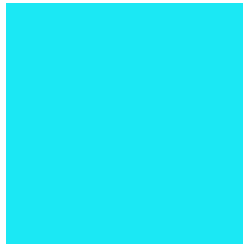
13.5876, 0.3353, 0.1620



1.1990, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 64.4779, 0.2218, 0.3134 looks on a white background.

Color Contrast Check

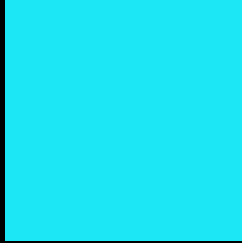
Large Text (above 18pt) WCAG AA × Fail

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 64.4779, 0.2218, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

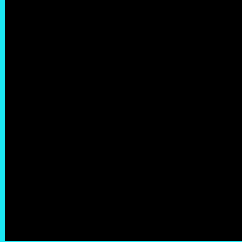
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4779, 0.2218, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 64.4779, 0.2218, 0.3134.

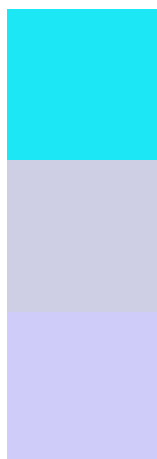


This preview shows how white text looks on a background with the Yxy color 64.4779, 0.2218, 0.3134.

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

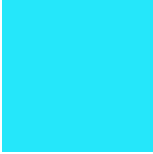
64.4779, 0.2218, 0.3134

Protanopia

63.3489, 0.2977, 0.3053

Deuteranopia

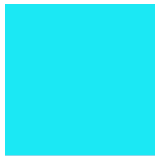
63.4978, 0.2849, 0.2789



Tritanopia

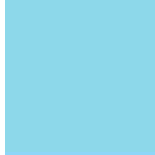
64.4473, 0.2203, 0.3048

Trichromacy



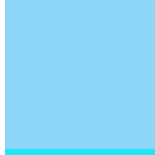
Original Color

64.4779, 0.2218, 0.3134



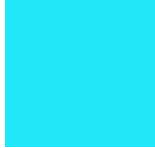
Protanomaly

60.7150, 0.2545, 0.3066



Deuteranomaly

60.6212, 0.2477, 0.2880



Tritanomaly

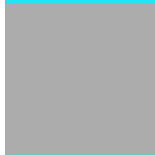
64.2525, 0.2206, 0.3072

Monochromacy



Original Color

64.4779, 0.2218, 0.3134



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.5827, 0.2573, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4779, 0.2218, 0.3134 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(27, 232, 244)` looks like.

```
.text, #text, p{  
    color:rgb(27, 232, 244)  
}
```

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(27, 232, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 232, 244) }
```

Border

The CSS property to change the border of an element to Yxy 64.4779, 0.2218, 0.3134 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(27, 232, 244) }
```

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

```
.border{ border-color:rgb(27, 232, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 232, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 232, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 232, 244);  
box-shadow:4px 4px 4px 4px rgb(27, 232,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4779, 0.2218, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 232, 244) }
```

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

```
.background{ background-color: rgb(27, 232,  
244) }
```

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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