

Converting Colors

$Y_{xy}(64.4153, 0.2229, 0.3159)$

Have a look what the booklet for
Yxy(64.4153, 0.2229, 0.3159)
contains.

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Color

Yxy(64.4153, 0.2229, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	1FE8F2
RGB	31, 232, 242
RGB Percent	12%, 91%, 95%
CMY	0.8778, 0.0902, 0.0510
CMYK	0.87, 0.04, 0.00, 0.05
HSL	183°, 89%, 54%
HSV	183°, 87%, 95%
XYZ	45.4516, 64.4153, 94.0435
YIQ	173.0410, -123.0060, -39.5020

Conversions

Conversions Part 2

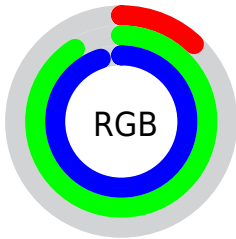
Format	Color
R _{YB}	31, 134, 242
Decimal	2091250
CIE Lab	84.18, -40.82, -17.74
CIE LCh	84, 44.508, 203.490
Yxy	64.4153, 0.2229, 0.3159
Android (android.graphics.Color)	4280281330 (0xFF1FE8F2)
YUV	173.0410, 33.9968, -124.5700
Hunter-Lab	80.2591, -39.3670, -13.2915

Details

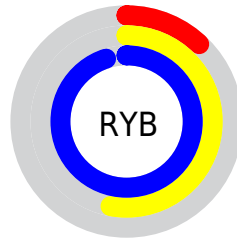
The Yxy color **64.4153, 0.2229, 0.3159** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.5741, 0.6121, 0.3344**, and the grayscale version is **41.7057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **34.5958, 0.2200, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **63.5246, 0.2209, 0.3143**, and if you desaturate by 10%, it is **65.5947, 0.2265, 0.3175**.

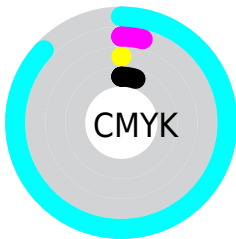
Distribution



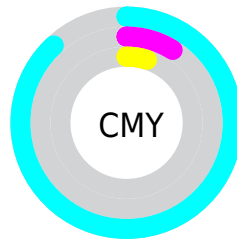
- Red (12%)
- Green (91%)
- Blue (95%)



- Red (12%)
- Yellow (53%)
- Blue (95%)



- Cyan (87%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





- Cyan (88%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4153, 0.2229, 0.3159 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 64.4153, 0.2229, 0.3159 by changing the saturation by 10% instead.


 64.4153, 0.2229,
0.3159

 64.4153, 0.2229,
0.3159


440.6878, 0.2638,
0.3235

 46.9871, 0.2138,
0.3138


 111.2088, 0.2369,
0.3189

 33.0255, 0.2027,
0.3109


 141.3430, 0.2424,
0.3199

 22.1460, 0.1889,
0.3071


 176.4812, 0.2472,
0.3208

 13.9642, 0.1714,
0.3015

 217.0079, 0.2514,
0.3215

 8.0958, 0.1487,
0.2930

263.3076, 0.2550,
0.3222

 4.1563, 0.1185,
0.2792

315.7645, 0.2583,

 1.7614, 0.0720,

0.3227

0.2560

374.7631, 0.2612,
0.3231

■ 0.4629, 0.0000,
0.1900

■ 0.0000, 0.0000,
0.0000

■ 64.4153, 0.2229,
0.3159

■ 64.4153, 0.2229,
0.3159

■ 63.5246, 0.2209,
0.3143

■ 65.5947, 0.2265,
0.3175

■ 63.2954, 0.2205,
0.3139

■ 67.1113, 0.2321,
0.3191


■ 69.0105, 0.2396,
0.3207


■ 71.3290, 0.2489,
0.3223

 74.0991, 0.2601,
0.3239

 77.3500, 0.2728,
0.3254

 81.1084, 0.2867,
0.3268

 85.3990, 0.3017,
0.3281

 90.2449, 0.3172,
0.3293

Harmonies

Analogous

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



64.4153, 0.2561, 0.3726



64.4153, 0.2229, 0.3159



64.4153, 0.2124, 0.2702

Triad

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



64.4153, 0.2229, 0.3159



64.4153, 0.3113, 0.2579



64.4153, 0.4046, 0.4111

Complementary

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



64.4153, 0.2229, 0.3159



20.5741, 0.6121, 0.3344

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.



64.4153, 0.4241, 0.3733



64.4153, 0.2229, 0.3159



64.4153, 0.3680, 0.2890

Square

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



64.4153, 0.2229, 0.3159



64.4153, 0.2597, 0.2421



64.4153, 0.4109, 0.3297



64.4153, 0.3608, 0.4305

Rectangle

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



64.4153, 0.2229, 0.3159



64.4153, 0.2184, 0.2512



64.4153, 0.4109, 0.3297



64.4153, 0.4144, 0.3998

Sweetspot

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



64.4177, 0.2229, 0.3159



87.5300, 0.2742, 0.3255



63.9409, 0.2995, 0.5862



18.4448, 0.2696, 0.3250



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.



64.4177, 0.2229, 0.3159



71.2625, 0.2205, 0.3139



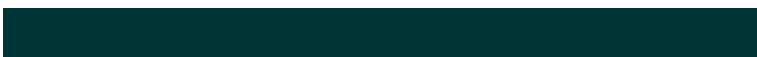
22.5501, 0.1828, 0.1681



17.7928, 0.2981, 0.3278



34.0609, 0.2206, 0.3142



2.8729, 0.2212, 0.3162

Inverse Universe

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



25.6919, 0.3314, 0.1647



27.7251, 0.3334, 0.1610



38.8048, 0.5090, 0.4222



16.0177, 0.3145, 0.3068



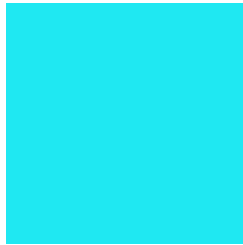
13.2318, 0.3331, 0.1609



1.1047, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 64.4153, 0.2229, 0.3159 looks on a white background.

Color Contrast Check

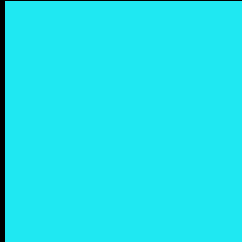
Large Text (above 18pt) WCAG AA × Fail

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 64.4153, 0.2229, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

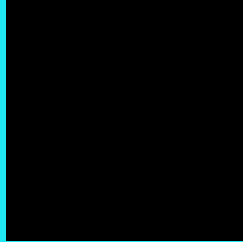
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4153, 0.2229, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 64.4153, 0.2229, 0.3159.



This preview shows how white text looks on a background with the Yxy color 64.4153, 0.2229, 0.3159.

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

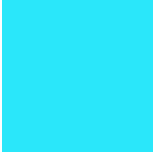
64.4153, 0.2229, 0.3159

Protanopia

63.3820, 0.2997, 0.3076

Deuteranopia

63.0445, 0.2868, 0.2799



Tritanopia

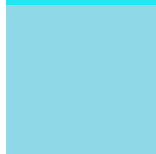
64.5462, 0.2209, 0.3048

Trichromacy



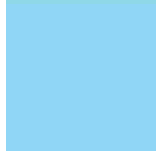
Original Color

64.4153, 0.2229, 0.3159



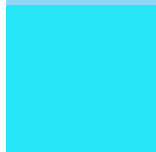
Protanomaly

60.7776, 0.2566, 0.3091



Deuteranomaly

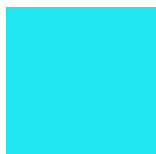
60.6762, 0.2497, 0.2903



Tritanomaly

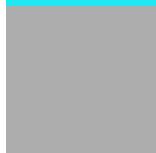
64.2793, 0.2215, 0.3084

Monochromacy



Original Color

64.4153, 0.2229, 0.3159



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.7257, 0.2585, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4153, 0.2229, 0.3159 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(31, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(31, 232, 242)  
}
```

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(31, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.4153, 0.2229, 0.3159 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(31, 232, 242) }
```

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

```
.border{ border-color:rgb(31, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(31, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4153, 0.2229, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 232, 242) }
```

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

```
.background{ background-color: rgb(31, 232,  
242) }
```

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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