

Converting Colors

$Yxy(64.0634, 0.2266, 0.3288)$

Have a look what the booklet for
Yxy(64.0634, 0.2266, 0.3288)
contains.

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Color

Yxy(63.8307, 0.2265, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	1FE8E8
RGB	31, 232, 232
RGB Percent	12%, 91%, 91%
CMY	0.8796, 0.0902, 0.0900
CMYK	0.87, 0.00, 0.00, 0.09
HSL	180°, 81%, 52%
HSV	180°, 87%, 91%
XYZ	43.9843, 63.8307, 86.3763
YIQ	171.9010, -119.7960, -42.6120

Conversions

Conversions Part 2

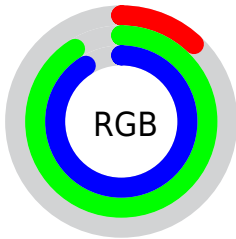
Format	Color
R _Y B	31, 132, 232
Decimal	2091240
CIE Lab	83.88, -43.76, -12.94
CIE LCh	84, 45.636, 196.473
Yxy	63.8307, 0.2265, 0.3287
Android (android.graphics.Color)	4280281320 (0xFF1FE8E8)
YUV	171.9010, 29.6288, -123.5702
Hunter-Lab	79.8941, -41.5446, -8.1746

Details

The Yxy color **63.8307, 0.2265, 0.3287** 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 **18.2259, 0.6158, 0.3299**, and the grayscale version is **41.0509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **34.1853, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **63.5927, 0.2250, 0.3287**, and if you desaturate by 10%, it is **64.3301, 0.2297, 0.3287**.

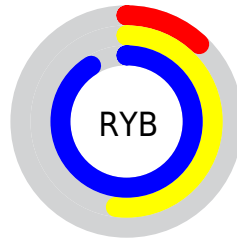
Distribution



Red (12%)

Green (91%)

Blue (91%)



Red (12%)

Yellow (52%)

Blue (91%)

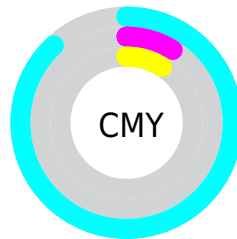


Cyan (87%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (88%)


Magenta (9%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8307, 0.2265, 0.3287 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 63.8307, 0.2265, 0.3287 by changing the saturation by 10% instead.


 63.8307, 0.2265,
0.3287


 63.8307, 0.2265,
0.3287


438.5780, 0.2661,
0.3301


 46.5136, 0.2176,
0.3280


 110.3671, 0.2401,
0.3295

 32.6513, 0.2067,
0.3270


 140.3551, 0.2455,
0.3297


 21.8594, 0.1932,
0.3255

 175.3356, 0.2501,
0.3298

 13.7537, 0.1758,
0.3230

 215.6928, 0.2541,
0.3299

 7.9495, 0.1530,
0.3187

 261.8113, 0.2576,
0.3300

 4.0627, 0.1222,
0.3105

314.0754, 0.2608,

 1.7087, 0.0682,

0.3301

0.2974

372.8695, 0.2636,
0.3301

■ 0.4293, 0.0000,
0.2306

■ 0.0000, 0.0000,
0.0000

■ 63.8307, 0.2265,
0.3287

■ 63.8307, 0.2265,
0.3287

■ 63.5927, 0.2250,
0.3287

■ 64.3301, 0.2297,
0.3287

■ 63.5436, 0.2246,
0.3287

■ 65.1329, 0.2347,
0.3287

■ 66.2798, 0.2417,
0.3288

■ 67.8039, 0.2506,
0.3288

■ 69.7340, 0.2613,
0.3288

■ 72.0965, 0.2737,
0.3289

■ 74.9153, 0.2874,
0.3289

■ 78.2126, 0.3022,
0.3290

■ 82.0093, 0.3178,
0.3290

Harmonies

Analogous

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



63.8307, 0.2654, 0.3869



63.8307, 0.2265, 0.3287



63.8307, 0.2102, 0.2776

Triad

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



63.8307, 0.2265, 0.3287



63.8307, 0.2977, 0.2508



63.8307, 0.4144, 0.4051

Complementary

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



63.8307, 0.2265, 0.3287



18.2259, 0.6158, 0.3299

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.



63.8307, 0.4273, 0.3639



63.8307, 0.2265, 0.3287



63.8307, 0.3564, 0.2793

Square

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



63.8307, 0.2265, 0.3287



63.8307, 0.2481, 0.2389



63.8307, 0.4057, 0.3193



63.8307, 0.3740, 0.4312

Rectangle

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



63.8307, 0.2265, 0.3287



63.8307, 0.2127, 0.2547



63.8307, 0.4057, 0.3193



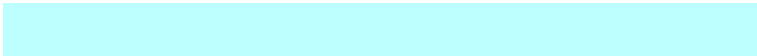
63.8307, 0.4223, 0.3924

Sweetspot

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



63.8331, 0.2265, 0.3287



89.5134, 0.2745, 0.3289



58.1207, 0.3005, 0.5888



18.9254, 0.2700, 0.3289



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.



63.8331, 0.2265, 0.3287



78.7129, 0.2246, 0.3287



22.4466, 0.1860, 0.1793



16.3360, 0.2982, 0.3290



35.2627, 0.2246, 0.3287



2.6059, 0.2246, 0.3287

Inverse Universe

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



23.9535, 0.3207, 0.1589



28.4773, 0.3210, 0.1542



33.5916, 0.5158, 0.4155



14.6152, 0.3138, 0.3059



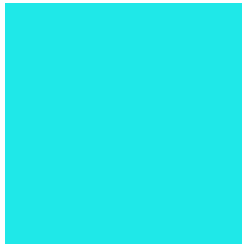
12.7575, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 63.8307, 0.2265, 0.3287 looks on a white background.

Color Contrast Check

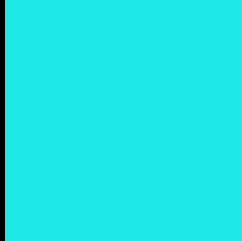
Large Text (above 18pt) WCAG AA × Fail

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 63.8307, 0.2265, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

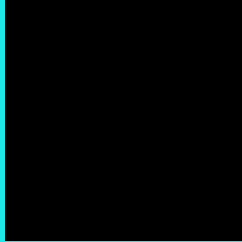
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8307, 0.2265, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 63.8307, 0.2265, 0.3287.

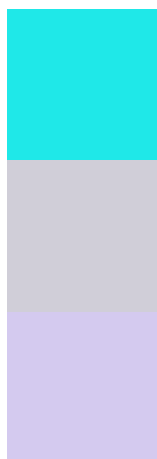


This preview shows how white text looks on a background with the Yxy color 63.8307, 0.2265, 0.3287.

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

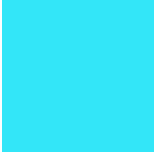
63.8307, 0.2265, 0.3287

Protanopia

62.5104, 0.3073, 0.3176

Deuteranopia

62.4701, 0.2947, 0.2883



Tritanopia

64.0747, 0.2226, 0.3060

Trichromacy



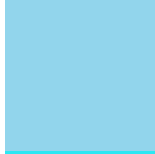
Original Color

63.8307, 0.2265, 0.3287



Protanomaly

59.8041, 0.2622, 0.3200



Deuteranomaly

59.7556, 0.2555, 0.3006



Tritanomaly

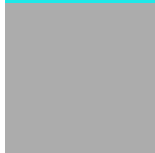
64.0981, 0.2241, 0.3147

Monochromacy



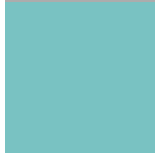
Original Color

63.8307, 0.2265, 0.3287



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.5436, 0.2608, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8307, 0.2265, 0.3287 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, 232)` looks like.

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

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, 232) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 63.8307, 0.2265, 0.3287 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, 232) }
```

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

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

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, 232)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 63.8307, 0.2265, 0.3287 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, 232) }
```

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

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

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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