

Converting Colors

$Y_{xy}(64.0284, 0.2278, 0.3287)$

Have a look what the booklet for
Yxy(64.0284, 0.2278, 0.3287)
contains.

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Color

Yxy(64.0317, 0.2278, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2AE8E8
RGB	42, 232, 232
RGB Percent	16%, 91%, 91%
CMY	0.8368, 0.0901, 0.0903
CMYK	0.82, 0.00, 0.00, 0.09
HSL	180°, 81%, 54%
HSV	180°, 82%, 91%
XYZ	44.3626, 64.0317, 86.3493
YIQ	175.1900, -113.2400, -40.2800

Conversions

Conversions Part 2

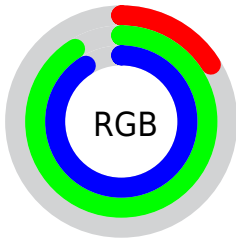
Format	Color
R _Y B	42, 137, 232
Decimal	2812136
CIE Lab	83.98, -43.11, -12.74
CIE LCh	84, 44.952, 196.465
Yxy	64.0317, 0.2278, 0.3288
Android (android.graphics.Color)	4281002216 (0xFF2AE8E8)
YUV	175.1900, 28.0073, -116.8076
Hunter-Lab	80.0198, -41.0751, -7.9659

Details

The Yxy color **64.0317, 0.2278, 0.3288** 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 **18.9533, 0.6006, 0.3298**, and the grayscale version is **42.8129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **34.1853, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **63.6822, 0.2255, 0.3288**, and if you desaturate by 10%, it is **64.6679, 0.2318, 0.3288**.

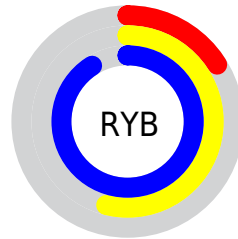
Distribution



Red (16%)

Green (91%)

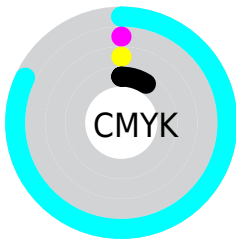
Blue (91%)



Red (16%)

Yellow (54%)

Blue (91%)

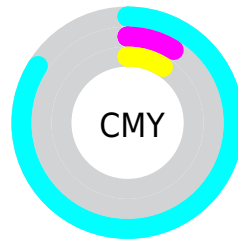


Cyan (82%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (84%)


Magenta (9%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0317, 0.2278, 0.3288 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 64.0317, 0.2278, 0.3288 by changing the saturation by 10% instead.

 64.0317, 0.2278,
0.3288


 64.0317, 0.2278,
0.3288


439.3041, 0.2668,
0.3301

 46.6764, 0.2190,
0.3282

 110.6566, 0.2412,
0.3295


 32.7799, 0.2083,
0.3272


 140.6949, 0.2465,
0.3297

 21.9579, 0.1949,
0.3257


 175.7297, 0.2510,
0.3299

 13.8259, 0.1778,
0.3233

 216.1453, 0.2550,
0.3300

 7.9997, 0.1553,
0.3192

262.3262, 0.2585,
0.3300

 4.0948, 0.1248,
0.3114

314.6567, 0.2616,

 1.7267, 0.0724,

0.3301

0.2984

373.5212, 0.2643,
0.3301

■ 0.4409, 0.0000,
0.2356

■ 0.0000, 0.0000,
0.0000

■ 64.0317, 0.2278,
0.3288

■ 64.0317, 0.2278,
0.3288

■ 63.6822, 0.2255,
0.3288

■ 64.6679, 0.2318,
0.3288

■ 63.5493, 0.2247,
0.3288

■ 65.6263, 0.2378,
0.3288

■ 66.9450, 0.2457,
0.3288

■ 68.6547, 0.2554,
0.3289

70.7831, 0.2670,
0.3289

73.3553, 0.2800,
0.3289

76.3943, 0.2943,
0.3290

79.9218, 0.3095,
0.3290

83.9579, 0.3253,
0.3290

Harmonies

Analogous

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



64.0317, 0.2662, 0.3859



64.0317, 0.2278, 0.3288



64.0317, 0.2117, 0.2785

Triad

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



64.0317, 0.2278, 0.3288



64.0317, 0.2979, 0.2519



64.0317, 0.4129, 0.4041

Complementary

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



64.0317, 0.2278, 0.3288



18.9533, 0.6006, 0.3298

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.



64.0317, 0.4254, 0.3635



64.0317, 0.2278, 0.3288



64.0317, 0.3557, 0.2801

Square

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



64.0317, 0.2278, 0.3288



64.0317, 0.2491, 0.2401



64.0317, 0.4042, 0.3195



64.0317, 0.3732, 0.4296

Rectangle

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



64.0317, 0.2278, 0.3288



64.0317, 0.2141, 0.2559



64.0317, 0.4042, 0.3195



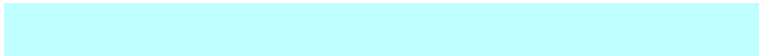
64.0317, 0.4206, 0.3915

Sweetspot

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



64.0341, 0.2278, 0.3288



89.8479, 0.2759, 0.3289



58.4424, 0.3016, 0.5808



18.9896, 0.2712, 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.



64.0341, 0.2278, 0.3288



78.7695, 0.2248, 0.3288



25.0664, 0.1917, 0.1931



16.3364, 0.2982, 0.3290



35.2731, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



18.9533, 0.6006, 0.3298



21.3820, 0.6377, 0.3300



34.2769, 0.5081, 0.4130



14.3681, 0.3293, 0.3290



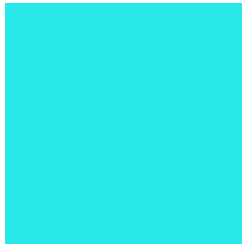
9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 64.0317, 0.2278, 0.3288 looks on a white background.

Color Contrast Check

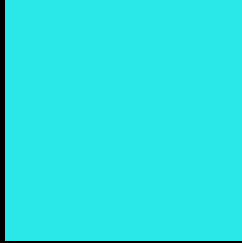
Large Text (above 18pt) WCAG AA × Fail

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 64.0317, 0.2278, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

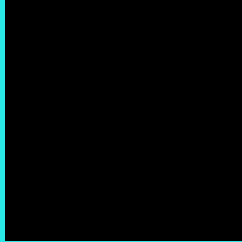
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0317, 0.2278, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.0317, 0.2278, 0.3288.

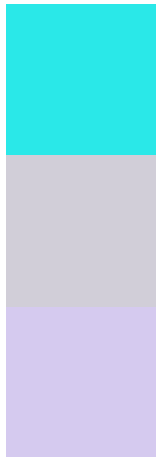


This preview shows how white text looks on a background with the Yxy color 64.0317, 0.2278, 0.3288.

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

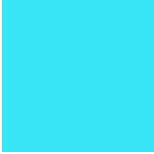
64.0317, 0.2278, 0.3288

Protanopia

62.6558, 0.3080, 0.3176

Deuteranopia

62.6192, 0.2954, 0.2884



Tritanopia

64.2408, 0.2236, 0.3061

Trichromacy



Original Color

64.0317, 0.2278, 0.3288



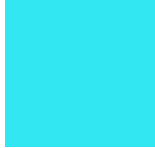
Protanomaly

60.1707, 0.2644, 0.3201



Deuteranomaly

60.2239, 0.2583, 0.3009



Tritanomaly

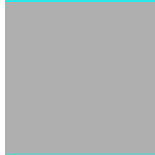
64.2664, 0.2251, 0.3147

Monochromacy



Original Color

64.0317, 0.2278, 0.3288



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.9010, 0.2630, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0317, 0.2278, 0.3288 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(42, 232, 232)` looks like.

```
.text, #text, p{  
  color:rgb(42, 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(42, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 232, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.0317, 0.2278, 0.3288 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(42, 232, 232) }
```

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

```
.border{ border-color:rgb(42, 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(42, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(42, 232,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0317, 0.2278, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 232, 232) }
```

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

```
.background{ background-color: rgb(42, 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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