Converting Colors

Yxy(62.8465, 0.2288, 0.3298)

Have a look what the booklet for Yxy(62.8465, 0.2288, 0.3298) contains.

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Color

Yxy(62.8316, 0.2289, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	2EE6E5
RGB	46, 230, 229
RGB Percent	18%, 90%, 90%
CMY	0.8189, 0.0980, 0.1021
CMYK	0.80, 0.00, 0.00, 0.10
HSL	180°, 79%, 54%
HSV	180°, 80%, 90%
XYZ	43.5691, 62.8316, 83.9404
YIQ	174.8700, -109.3430, -39.3190

Conversions

Conversions Part 2

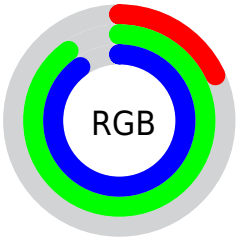
Format	Color
RYB	46, 138, 230
Decimal	3073765
CIELab	83.35, -42.73, -12.09
CIELCh	83, 44.403, 195.796
Yxy	62.8316, 0.2289, 0.3301
Android (android.graphics.Color)	4281263845 (0xFF2EE6E5)
YUV	174.8700, 26.6861, -113.0190
Hunter-Lab	79.2664, -40.6030, -7.2996

Details

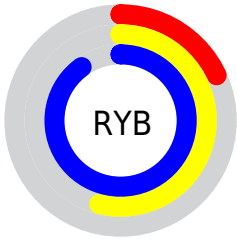
The Yxy color 62.8316, 0.2289, 0.3301 is a light color, and the websafe version is hex 33FFFF. The color can be described as light washed cyan. A complement of this color would be 18.9984, 0.5915, 0.3292, and the grayscale version is 42.7291, 0.3127, 0.3290.

A 20% lighter version of the original color is 83.1756, 0.2467, 0.3288, and 33.3281, 0.2247, 0.3287 is the 20% darker color. If you saturate the color by 10%, you get 62.4260, 0.2263, 0.3303, and if you desaturate by 10%, it is 63.5280, 0.2333, 0.3299.

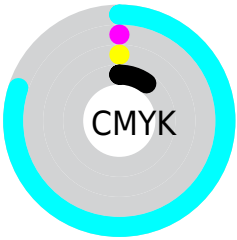
Distribution



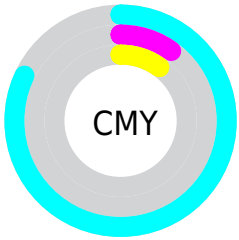
- Red (18%)
- Green (90%)
- Blue (90%)



- Red (18%)
- Yellow (54%)
- Blue (90%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (82%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8316, 0.2289, 0.3301 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 62.8316, 0.2289, 0.3301 by changing the saturation by 10% instead.

62.8316, 0.2289, 0.3301

62.8316, 0.2289, 0.3301

434.9581, 0.2676, 0.3308

45.7050, 0.2202, 0.3296

108.9265, 0.2422, 0.3306

32.0131, 0.2095, 0.3289

138.6636, 0.2475, 0.3307

21.3715, 0.1961, 0.3277

173.3730, 0.2520, 0.3308

13.3958, 0.1789, 0.3256

213.4391, 0.2559, 0.3308

7.7017, 0.1561, 0.3219

259.2462, 0.2593, 0.3308

3.9047, 0.1252, 0.3146

311.1789, 0.2624,

1.6204, 0.0678,

0.3308

0.3036

369.6213, 0.2651, 0.3308

0.3713, 0.0000, 0.2251

0.0000, 0.0000, 0.0000

62.8316, 0.2289, 0.3301

62.8316, 0.2289, 0.3301

62.4260, 0.2263, 0.3303

63.5280, 0.2333, 0.3299

62.2357, 0.2251, 0.3304

64.5480, 0.2396, 0.3298

62.2344, 0.2251, 0.3304

65.9277, 0.2479, 0.3296

67.6966, 0.2580, 0.3295

69.8810, 0.2699, 0.3293

72.5051, 0.2831, 0.3292

75.5912, 0.2976, 0.3291

79.1600, 0.3128, 0.3290

83.2309, 0.3287, 0.3289

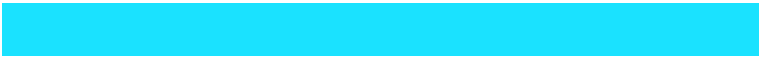
Harmonies

Analogous

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

62.8316, 0.2675, 0.3867

62.8316, 0.2289, 0.3301



62.8316, 0.2123, 0.2798

Triad

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

62.8316, 0.2289, 0.3301

62.8316, 0.2968, 0.2518

62.8316, 0.4129, 0.4029

Complementary

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

62.8316, 0.2289, 0.3301

18.9984, 0.5915, 0.3292

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.

62.8316, 0.4247, 0.3624

62.8316, 0.2289, 0.3301

62.8316, 0.3542, 0.2796

Square

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

62.8316, 0.2289, 0.3301

62.8316, 0.2486, 0.2406

62.8316, 0.4028, 0.3186

62.8316, 0.3739, 0.4287

Rectangle

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

62.8316, 0.2289, 0.3301

62.8316, 0.2143, 0.2569

62.8316, 0.4028, 0.3186

62.8316, 0.4204, 0.3904

Sweetspot

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

62.8339, 0.2289, 0.3301

90.1609, 0.2774, 0.3293

57.4510, 0.3018, 0.5766

19.0483, 0.2727, 0.3293

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.

62.8339, 0.2289, 0.3301

78.7183, 0.2255, 0.3304

25.3942, 0.1938, 0.1971

16.3350, 0.2982, 0.3291

35.2346, 0.2251, 0.3304

2.6042, 0.2251, 0.3302

Inverse Universe

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

18.9984, 0.5915, 0.3292

21.5069, 0.6350, 0.3297

34.3577, 0.5024, 0.4130

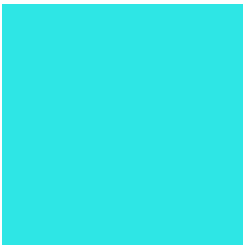
14.3693, 0.3292, 0.3289

9.5264, 0.6395, 0.3296

0.7044, 0.6377, 0.3287

Previews

White Background

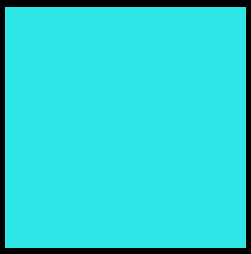


This preview shows how the Yxy color 62.8316, 0.2289, 0.3301 looks on a white background.

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 62.8316, 0.2289, 0.3301 looks on a black background.

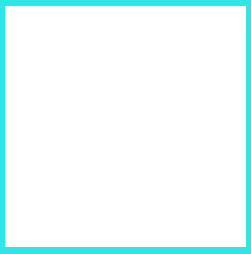
Color Contrast Check

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 62.8316, 0.2289, 0.3301 Background

This preview shows how black text looks on a background with the Yxy color 62.8316, 0.2289, 0.3301.



This preview shows how white text looks on a background with the Yxy color 62.8316, 0.2289, 0.3301.

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

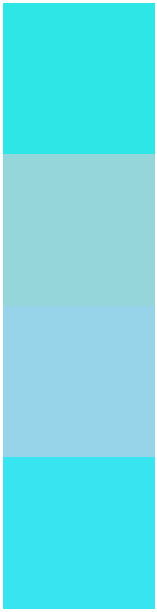
Original Color
62.8316, 0.2289, 0.3301

Protanopia
61.7321, 0.3086, 0.3198

Deuteranopia
61.7685, 0.2973, 0.2914

Tritanopia
62.5841, 0.2240, 0.3046

Trichromacy



Original Color
62.8316, 0.2289, 0.3301

Protanomaly
59.5972, 0.2665, 0.3226

Deuteranomaly
59.6456, 0.2602, 0.3032

Tritanomaly
62.6188, 0.2257, 0.3133

Monochromacy

Original Color
62.8316, 0.2289, 0.3301

Achromatopsia
42.8690, 0.3127, 0.3290

Achromatomaly
47.5595, 0.2646, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8316, 0.2289, 0.3301 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(46, 230, 229) looks like.

```
.text, #text, p{
    color:rgb(46, 230, 229)
}
```

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(46, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 62.8316, 0.2289, 0.3301 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(46, 230, 229) }
```

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

```
.border{ border-color:rgb(46, 230, 229) }
```

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

Here you see how a box with a 4 pixel rgb(46, 230, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(46, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(46, 230, 229); box-shadow:4px 4px 4px 4px rgb(46, 230, 229) }
```

Background

The CSS property to change the background color of an element to Yxy 62.8316, 0.2289, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(46, 230, 229) }
```

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

```
.background{ background-color:rgb(46, 230,
229) }
```

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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