

Converting Colors

$Yxy(58.0022, 0.2297, 0.3147)$

Have a look what the booklet for
Yxy(58.0022, 0.2297, 0.3147)
contains.

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Color

Yxy(58.2017, 0.2299, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	46DCE6
RGB	70, 220, 230
RGB Percent	27%, 86%, 90%
CMY	0.7248, 0.1373, 0.0980
CMYK	0.69, 0.04, 0.00, 0.10
HSL	184°, 76%, 59%
HSV	184°, 69%, 90%
XYZ	42.4107, 58.2017, 83.8621
YIQ	176.2900, -92.6100, -28.6900

Conversions

Conversions Part 2

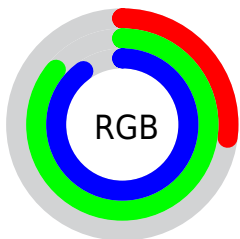
Format	Color
RYB	70, 147, 230
Decimal	4644070
CIELab	80.85, -35.39, -16.35
CIELCh	81, 38.978, 204.793
Yxy	58.2017, 0.2299, 0.3155
Android (android.graphics.Color)	4282834150 (0xFF46DCE6)
YUV	176.2900, 26.4790, -93.2163
Hunter-Lab	76.2900, -34.2770, -11.7717

Details

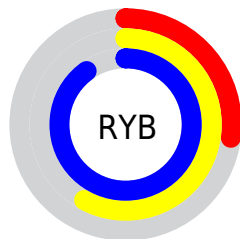
The Yxy color **58.2017, 0.2299, 0.3155** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.0318, 0.5387, 0.3387**, and the grayscale version is **43.4960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **29.6461, 0.2193, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **56.7509, 0.2246, 0.3134**, and if you desaturate by 10%, it is **59.9909, 0.2371, 0.3176**.

Distribution



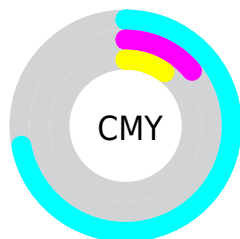
- Red (27%)
- Green (86%)
- Blue (90%)



- Red (27%)
- Yellow (58%)
- Blue (90%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (72%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2017, 0.2299, 0.3155 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 58.2017, 0.2299, 0.3155 by changing the saturation by 10% instead.


 58.2017, 0.2299,
0.3155


 58.2017, 0.2299,
0.3155

417.9371, 0.2685,
0.3232


 41.9708, 0.2211,
0.3133


 102.2165, 0.2433,
0.3185

 29.0784, 0.2103,
0.3105


 130.7693, 0.2485,
0.3196

 19.1402, 0.1967,
0.3065


 164.1981, 0.2530,
0.3204

 11.7716, 0.1791,
0.3008

 202.8874, 0.2569,
0.3212

 6.5884, 0.1557,
0.2919

247.2215, 0.2603,
0.3218

 3.2060, 0.1236,
0.2770

297.5849, 0.2634,

 1.2402, 0.0572,

0.3224

0.2550

354.3620, 0.2661,
0.3228

■ 0.0942, 0.0000,
0.0689

■ 0.0000, 0.0000,
0.0000

■ 58.2017, 0.2299,
0.3155

■ 58.2017, 0.2299,
0.3155

■ 56.7509, 0.2246,
0.3134

■ 59.9909, 0.2371,
0.3176

■ 55.5924, 0.2212,
0.3112

■ 62.1455, 0.2463,
0.3198


■ 54.6638, 0.2193,
0.3092


■ 64.6970, 0.2572,
0.3218


■ 54.6187, 0.2192,
0.3091

■ 67.6717, 0.2696,
0.3238

 71.0937, 0.2834,
0.3257

 74.9851, 0.2981,
0.3275

 79.3667, 0.3135,
0.3291

 84.2580, 0.3293,
0.3306

 85.2264, 0.3297,
0.3320

Harmonies

Analogous

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



58.2017, 0.2598, 0.3663



58.2017, 0.2299, 0.3155



58.2017, 0.2210, 0.2745

Triad

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



58.2017, 0.2299, 0.3155



58.2017, 0.3139, 0.2649



58.2017, 0.3951, 0.4053

Complementary

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



58.2017, 0.2299, 0.3155



23.0318, 0.5387, 0.3387

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.



58.2017, 0.4136, 0.3718



58.2017, 0.2299, 0.3155



58.2017, 0.3650, 0.2941

Square

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



58.2017, 0.2299, 0.3155



58.2017, 0.2663, 0.2497



58.2017, 0.4027, 0.3319



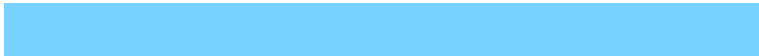
58.2017, 0.3548, 0.4209

Rectangle

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



58.2017, 0.2299, 0.3155



58.2017, 0.2271, 0.2574



58.2017, 0.4027, 0.3319



58.2017, 0.4042, 0.3955

Sweetspot

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



58.2039, 0.2299, 0.3155



89.0987, 0.2811, 0.3254



58.4557, 0.2997, 0.5438



18.8070, 0.2772, 0.3249



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.



58.2039, 0.2299, 0.3155



71.0933, 0.2230, 0.3125



26.3963, 0.2016, 0.2008



16.1736, 0.2982, 0.3275



30.9895, 0.2193, 0.3094



2.3371, 0.2201, 0.3124

Inverse Universe

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



26.3921, 0.3306, 0.1827



29.4088, 0.3341, 0.1691



41.7482, 0.4636, 0.4209



14.5988, 0.3147, 0.3073



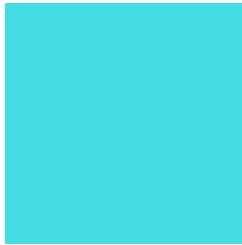
12.3261, 0.3372, 0.1631



0.9156, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 58.2017, 0.2299, 0.3155 looks on a white background.

Color Contrast Check

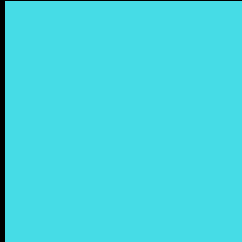
Large Text (above 18pt) WCAG AA × Fail

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 58.2017, 0.2299, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

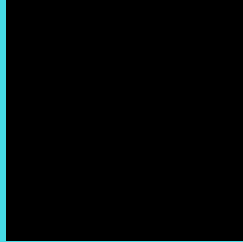
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2017, 0.2299, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 58.2017, 0.2299, 0.3155.



This preview shows how white text looks on a background with the Yxy color 58.2017, 0.2299, 0.3155.

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

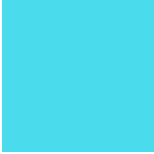
58.2017, 0.2299, 0.3155

Protanopia

57.3518, 0.2999, 0.3078

Deuteranopia

57.0572, 0.2885, 0.2813



Tritanopia

58.2333, 0.2277, 0.3053

Trichromacy



Original Color

58.2017, 0.2299, 0.3155



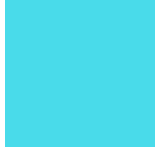
Protanomaly

56.0385, 0.2659, 0.3099



Deuteranomaly

55.4247, 0.2587, 0.2906



Tritanomaly

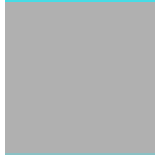
58.0200, 0.2287, 0.3091

Monochromacy



Original Color

58.2017, 0.2299, 0.3155



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.0881, 0.2698, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2017, 0.2299, 0.3155 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(70, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(70, 220, 230)  
}
```

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(70, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 220, 230) }
```

Border

The CSS property to change the border of an element to Yxy 58.2017, 0.2299, 0.3155 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(70, 220, 230) }
```

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

```
.border{ border-color:rgb(70, 220, 230) }
```

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

Here you see how a box with a 4 pixel rgb(70, 220, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(70, 220,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2017, 0.2299, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 220, 230) }
```

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

```
.background{ background-color: rgb(70, 220,  
230) }
```

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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