

Converting Colors

$Yxy(56.3237, 0.2293, 0.3024)$

Have a look what the booklet for
Yxy(56.3237, 0.2293, 0.3024)
contains.

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Color

Yxy(56.3484, 0.2292, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	51D7EB
RGB	81, 215, 235
RGB Percent	32%, 84%, 92%
CMY	0.6821, 0.1569, 0.0784
CMYK	0.66, 0.09, 0.00, 0.08
HSL	188°, 79%, 62%
HSV	188°, 66%, 92%
XYZ	42.6944, 56.3484, 87.2329
YIQ	177.2140, -86.2840, -22.1880

Conversions

Conversions Part 2

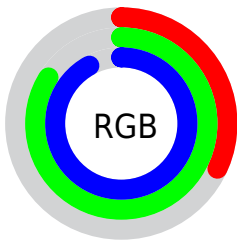
Format	Color
R _Y B	81, 153, 235
Decimal	5363691
CIE Lab	79.81, -30.06, -20.56
CIE LCh	80, 36.416, 214.375
Yxy	56.3484, 0.2292, 0.3025
Android (android.graphics.Color)	4283553771 (0xFF51D7EB)
YUV	177.2140, 28.4885, -84.3797
Hunter-Lab	75.0656, -29.8409, -16.3544

Details

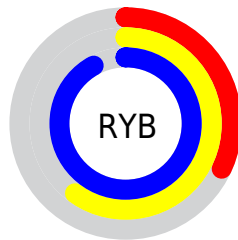
The Yxy color **56.3484, 0.2292, 0.3025** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.5835, 0.5116, 0.3492**, and the grayscale version is **43.9767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **28.3963, 0.2154, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **53.9430, 0.2222, 0.2979**, and if you desaturate by 10%, it is **59.1463, 0.2381, 0.3071**.

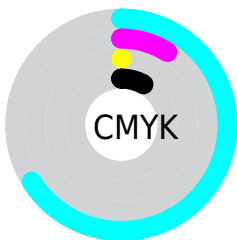
Distribution



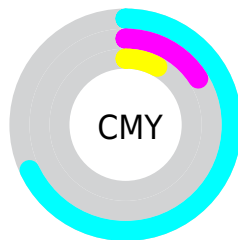
- Red (32%)
- Green (84%)
- Blue (92%)



- Red (32%)
- Yellow (60%)
- Blue (92%)



- Cyan (66%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (68%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3484, 0.2292, 0.3025 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 56.3484, 0.2292, 0.3025 by changing the saturation by 10% instead.


 56.3484, 0.2292,
0.3025


 56.3484, 0.2292,
0.3025


411.0032, 0.2682,
0.3165

 40.4823, 0.2203,
0.2989


 99.5138, 0.2427,
0.3077


 27.9148, 0.2093,
0.2942


 127.5819, 0.2480,
0.3096

 18.2614, 0.1955,
0.2879


 160.4861, 0.2526,
0.3112

 11.1379, 0.1777,
0.2791

 198.6109, 0.2565,
0.3126

 6.1596, 0.1541,
0.2660

242.3406, 0.2600,
0.3138

 2.9424, 0.1218,
0.2454

292.0596, 0.2630,

 1.1017, 0.0580,

0.3148

0.2140

348.1523, 0.2658,
0.3157

■ 0.0000, 0.0000,
0.0000

■ 56.3484, 0.2292,
0.3025

■ 56.3484, 0.2292,
0.3025

■ 53.9430, 0.2222,
0.2979

■ 59.1463, 0.2381,
0.3071

■ 51.8847, 0.2172,
0.2933

■ 62.3638, 0.2488,
0.3115

■ 50.1276, 0.2140,
0.2887

■ 66.0328, 0.2610,
0.3158


■ 49.4016, 0.2130,
0.2867

■ 70.1800, 0.2745,
0.3199

■ 74.8303, 0.2890,
0.3237

 80.0064, 0.3042,
0.3272

 85.7298, 0.3197,
0.3304

 89.2519, 0.3258,
0.3334

 91.0608, 0.3255,
0.3363

Harmonies

Analogous

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



56.3484, 0.2516, 0.3489



56.3484, 0.2292, 0.3025



56.3484, 0.2273, 0.2687

Triad

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



56.3484, 0.2292, 0.3025



56.3484, 0.3297, 0.2757



56.3484, 0.3804, 0.4084

Complementary

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



56.3484, 0.2292, 0.3025



27.5835, 0.5116, 0.3492

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.



56.3484, 0.4053, 0.3812



56.3484, 0.2292, 0.3025



56.3484, 0.3756, 0.3069

Square

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



56.3484, 0.2292, 0.3025



56.3484, 0.2821, 0.2566



56.3484, 0.4041, 0.3443



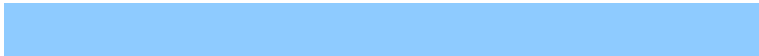
56.3484, 0.3381, 0.4147

Rectangle

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



56.3484, 0.2292, 0.3025



56.3484, 0.2374, 0.2564



56.3484, 0.4041, 0.3443



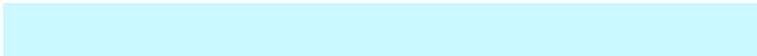
56.3484, 0.3912, 0.4011

Sweetspot

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



56.3505, 0.2292, 0.3025



87.4190, 0.2823, 0.3220



62.0784, 0.2963, 0.5200



18.3768, 0.2782, 0.3209



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.



56.3505, 0.2292, 0.3025



63.9231, 0.2201, 0.2961



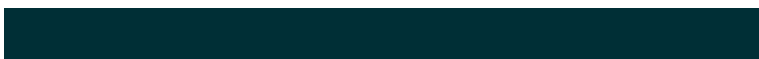
26.5310, 0.2034, 0.1942



16.7682, 0.2981, 0.3259



27.6246, 0.2132, 0.2874



2.2623, 0.2149, 0.2937

Inverse Universe

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



28.4656, 0.3410, 0.1962



29.5029, 0.3479, 0.1812



49.3108, 0.4451, 0.4280



15.2781, 0.3158, 0.3088



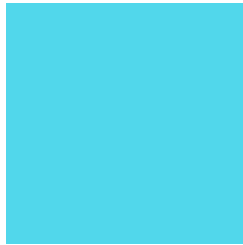
12.2815, 0.3567, 0.1738



0.9738, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 56.3484, 0.2292, 0.3025 looks on a white background.

Color Contrast Check

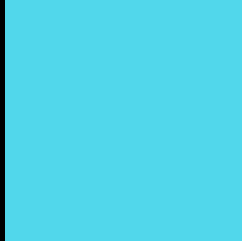
Large Text (above 18pt) WCAG AA × Fail

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 56.3484, 0.2292, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

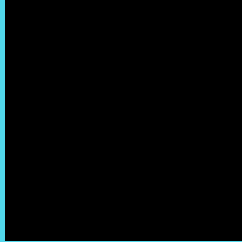
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3484, 0.2292, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 56.3484, 0.2292, 0.3025.



This preview shows how white text looks on a background with the Yxy color 56.3484, 0.2292, 0.3025.

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

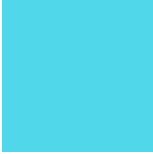
56.3484, 0.2292, 0.3025

Protanopia

55.5106, 0.2913, 0.2970

Deuteranopia

55.4599, 0.2807, 0.2740



Tritanopia

56.1895, 0.2297, 0.3050

Trichromacy



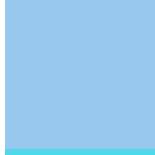
Original Color

56.3484, 0.2292, 0.3025



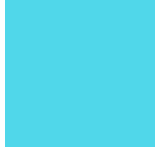
Protanomaly

54.4625, 0.2619, 0.2975



Deuteranomaly

54.2539, 0.2560, 0.2822



Tritanomaly

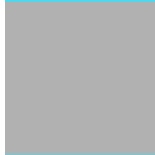
56.2469, 0.2293, 0.3038

Monochromacy



Original Color

56.3484, 0.2292, 0.3025



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.0896, 0.2711, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3484, 0.2292, 0.3025 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(81, 215, 235)` looks like.

```
.text, #text, p{  
    color:rgb(81, 215, 235)  
}
```

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(81, 215, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 215, 235) }
```

Border

The CSS property to change the border of an element to Yxy 56.3484, 0.2292, 0.3025 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(81, 215, 235) }
```

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

```
.border{ border-color:rgb(81, 215, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 215, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 215, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 215, 235);  
box-shadow:4px 4px 4px 4px rgb(81, 215,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3484, 0.2292, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 215, 235) }
```

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

```
.background{ background-color: rgb(81, 215,  
235) }
```

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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