

Converting Colors

$Y_{xy}(58.2377, 0.2443, 0.3175)$

Have a look what the booklet for
Yxy(58.2377, 0.2443, 0.3175)
contains.

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Color

Yxy(58.3769, 0.2445, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	6ED9E1
RGB	110, 217, 225
RGB Percent	43%, 85%, 88%
CMY	0.5689, 0.1490, 0.1176
CMYK	0.51, 0.04, 0.00, 0.12
HSL	184°, 66%, 66%
HSV	184°, 51%, 88%
XYZ	44.8277, 58.3769, 80.1399
YIQ	185.9190, -66.3400, -20.1960

Conversions

Conversions Part 2

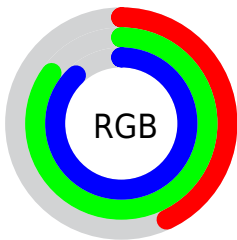
Format	Color
R _Y B	110, 165, 225
Decimal	7264737
CIE Lab	80.95, -28.68, -13.42
CIE LCh	81, 31.665, 205.084
Yxy	58.3769, 0.2445, 0.3184
Android (android.graphics.Color)	4285454817 (0xFF6ED9E1)
YUV	185.9190, 19.2669, -66.5810
Hunter-Lab	76.4048, -28.9799, -8.7051

Details

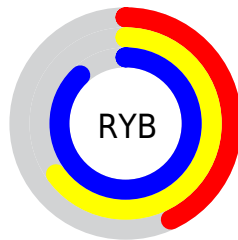
The Yxy color **58.3769, 0.2445, 0.3184** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.0725, 0.4541, 0.3386**, and the grayscale version is **48.9659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **29.2784, 0.2280, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **56.3137, 0.2356, 0.3160**, and if you desaturate by 10%, it is **60.8185, 0.2552, 0.3207**.

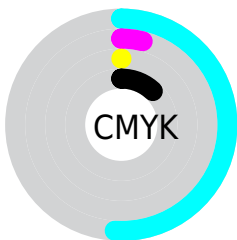
Distribution



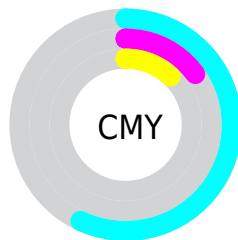
- Red (43%)
- Green (85%)
- Blue (88%)



- Red (43%)
- Yellow (65%)
- Blue (88%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)




- Cyan (57%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3769, 0.2445, 0.3184 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 58.3769, 0.2445, 0.3184 by changing the saturation by 10% instead.


 58.3769, 0.2445,
0.3184

 58.3769, 0.2445,
0.3184


418.5889, 0.2765,
0.3243


 42.1117, 0.2371,
0.3168


 102.4715, 0.2557,
0.3207

 29.1888, 0.2280,
0.3146


 131.0697, 0.2600,
0.3215

 19.2237, 0.2164,
0.3116


 164.5478, 0.2637,
0.3222

 11.8320, 0.2012,
0.3073

203.2900, 0.2670,
0.3228

 6.6294, 0.1807,
0.3006

247.6808, 0.2698,
0.3232

 3.2314, 0.1516,
0.2893

298.1047, 0.2723,

 1.2537, 0.0976,

0.3237

0.2709

354.9459, 0.2745,
0.3240

■ 0.1049, 0.0000,
0.0904

■ 0.0000, 0.0000,
0.0000

■ 58.3769, 0.2445,
0.3184

■ 58.3769, 0.2445,
0.3184

■ 56.3137, 0.2356,
0.3160

■ 60.8185, 0.2552,
0.3207

■ 54.5938, 0.2286,
0.3137


■ 63.6571, 0.2675,
0.3229


■ 53.1871, 0.2235,
0.3113

■ 66.9180, 0.2811,
0.3250


■ 52.0546, 0.2203,
0.3089


■ 70.6227, 0.2956,
0.3270


 51.2226, 0.2186,
0.3069

 74.7909, 0.3109,
0.3288

 79.4413, 0.3267,
0.3305

 82.1553, 0.3336,
0.3320

 83.0186, 0.3334,
0.3335

 83.8898, 0.3332,
0.3351

Harmonies

Analogous

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



58.3769, 0.2694, 0.3587



58.3769, 0.2445, 0.3184



58.3769, 0.2370, 0.2848

Triad

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



58.3769, 0.2445, 0.3184



58.3769, 0.3145, 0.2761



58.3769, 0.3800, 0.3921

Complementary

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



58.3769, 0.2445, 0.3184



30.0725, 0.4541, 0.3386

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.



58.3769, 0.3946, 0.3655



58.3769, 0.2445, 0.3184



58.3769, 0.3556, 0.3007

Square

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



58.3769, 0.2445, 0.3184



58.3769, 0.2753, 0.2634



58.3769, 0.3857, 0.3326



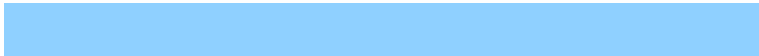
58.3769, 0.3474, 0.4031

Rectangle

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



58.3769, 0.2445, 0.3184



58.3769, 0.2422, 0.2704



58.3769, 0.3857, 0.3326



58.3769, 0.3873, 0.3845

Sweetspot

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



58.3791, 0.2445, 0.3184



91.7703, 0.2898, 0.3262



58.4614, 0.3014, 0.4814



19.4192, 0.2867, 0.3258



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.



58.3791, 0.2445, 0.3184



74.7186, 0.2354, 0.3160



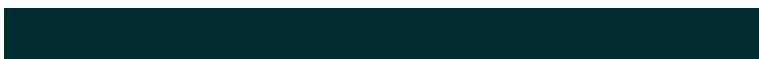
33.8195, 0.2286, 0.2375



15.4008, 0.2982, 0.3273



29.5874, 0.2187, 0.3073



2.1004, 0.2197, 0.3108

Inverse Universe

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



32.1568, 0.3264, 0.2136



36.8129, 0.3295, 0.1953



47.8473, 0.4156, 0.4040



13.9183, 0.3148, 0.3075



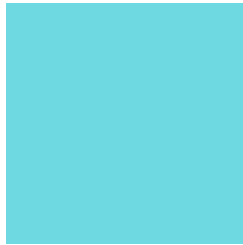
11.8949, 0.3391, 0.1642



0.8295, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 58.3769, 0.2445, 0.3184 looks on a white background.

Color Contrast Check

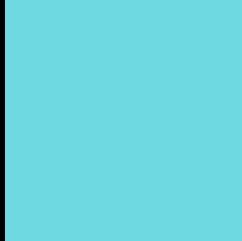
Large Text (above 18pt) WCAG AA × Fail

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 58.3769, 0.2445, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

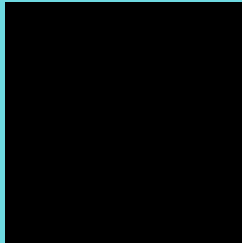
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

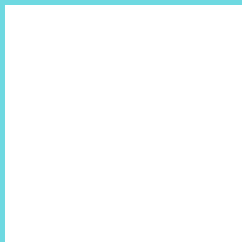
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3769, 0.2445, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 58.3769, 0.2445, 0.3184.

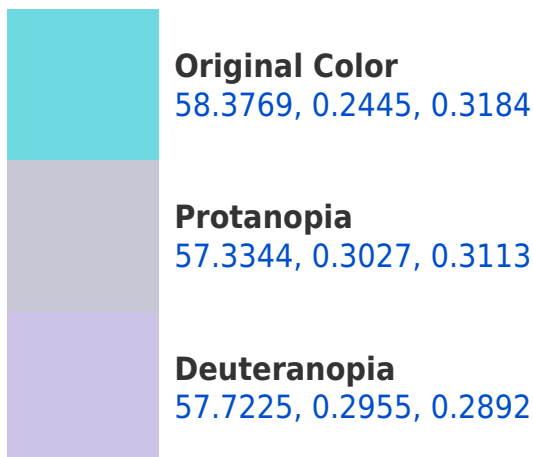


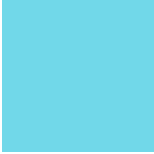
This preview shows how white text looks on a background with the Yxy color 58.3769, 0.2445, 0.3184.

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





Tritanopia

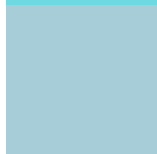
58.5056, 0.2418, 0.3071

Trichromacy



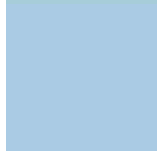
Original Color

58.3769, 0.2445, 0.3184



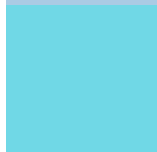
Protanomaly

56.8879, 0.2776, 0.3140



Deuteranomaly

56.8594, 0.2727, 0.2986



Tritanomaly

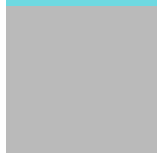
58.2696, 0.2428, 0.3108

Monochromacy



Original Color

58.3769, 0.2445, 0.3184



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.3717, 0.2815, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3769, 0.2445, 0.3184 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(110, 217, 225)` looks like.

```
.text, #text, p{  
    color:rgb(110, 217, 225)  
}
```

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(110, 217, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 217, 225) }
```

Border

The CSS property to change the border of an element to Yxy 58.3769, 0.2445, 0.3184 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(110, 217, 225) }
```

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

```
.border{ border-color:rgb(110, 217, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 217, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 217, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 217, 225);  
box-shadow:4px 4px 4px 4px rgb(110, 217,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3769, 0.2445, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 217, 225) }
```

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

```
.background{ background-color: rgb(110,  
217, 225) }
```

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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