

Converting Colors

$Y_{xy}(58.3699, 0.2462, 0.3170)$

Have a look what the booklet for
Yxy(58.3699, 0.2462, 0.3170)
contains.

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Color

$\text{Yxy}(58.1928, 0.2464, 0.3171)$

Conversions

Conversions Part 1

Format	Color
Hex	73D8E1
RGB	115, 216, 225
RGB Percent	45%, 85%, 88%
CMY	0.5491, 0.1529, 0.1175
CMYK	0.49, 0.04, 0.00, 0.12
HSL	185°, 65%, 67%
HSV	185°, 49%, 88%
XYZ	45.2182, 58.1928, 80.1046
YIQ	186.8270, -63.0850, -18.6130

Conversions

Conversions Part 2

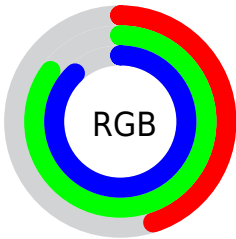
Format	Color
R _{YB}	115, 168, 225
Decimal	7592161
CIE _{Lab}	80.85, -27.11, -13.57
CIE _{LCh}	81, 30.320, 206.595
Y _{xy}	58.1928, 0.2464, 0.3171
Android (android.graphics.Color)	4285782241 (0xFF73D8E1)
YUV	186.8270, 18.8193, -62.9923
Hunter-Lab	76.2842, -27.6897, -8.8603

Details

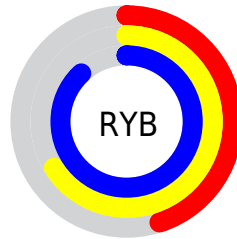
The Yxy color **58.1928, 0.2464, 0.3171** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.6694, 0.4439, 0.3399**, and the grayscale version is **49.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **29.1221, 0.2301, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **55.9106, 0.2369, 0.3143**, and if you desaturate by 10%, it is **60.8624, 0.2576, 0.3198**.

Distribution



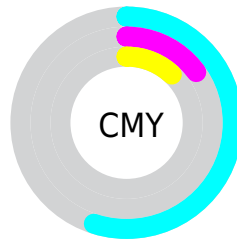
- Red (45%)
- Green (85%)
- Blue (88%)



- Red (45%)
- Yellow (66%)
- Blue (88%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)





- Cyan (55%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1928, 0.2464, 0.3171 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 58.1928, 0.2464, 0.3171 by changing the saturation by 10% instead.


 58.1928, 0.2464,
0.3171

 58.1928, 0.2464,
0.3171


417.9040, 0.2776,
0.3236


 41.9637, 0.2392,
0.3153


 102.2036, 0.2573,
0.3196

 29.0728, 0.2303,
0.3130

 130.7540, 0.2615,
0.3205

 19.1359, 0.2190,
0.3099

 164.1803, 0.2651,
0.3212

 11.7685, 0.2041,
0.3053

202.8669, 0.2683,
0.3219

 6.5863, 0.1840,
0.2983

247.1982, 0.2710,
0.3224

 3.2047, 0.1554,
0.2866

297.5585, 0.2735,

 1.2395, 0.1034,

0.3229

0.2672

354.3323, 0.2756,
0.3233

0.0936, 0.0000,
0.0816

0.0000, 0.0000,
0.0000

58.1928, 0.2464,
0.3171

58.1928, 0.2464,
0.3171

55.9106, 0.2369,
0.3143

60.8624, 0.2576,
0.3198

53.9815, 0.2293,
0.3115


63.9374, 0.2703,
0.3224


52.3763, 0.2236,
0.3087


67.4430, 0.2842,
0.3249

51.0578, 0.2199,
0.3059

71.3999, 0.2990,
0.3271

 49.9688, 0.2177,
0.3031


 75.8279, 0.3144,
0.3292

 49.8548, 0.2175,
0.3028

 80.7452, 0.3302,
0.3311

 82.6960, 0.3335,
0.3329

 83.7227, 0.3333,
0.3348

 84.7604, 0.3330,
0.3366

Harmonies

Analogous

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



58.1928, 0.2697, 0.3556



58.1928, 0.2464, 0.3171



58.1928, 0.2400, 0.2854

Triad

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



58.1928, 0.2464, 0.3171



58.1928, 0.3165, 0.2791



58.1928, 0.3760, 0.3906

Complementary

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



58.1928, 0.2464, 0.3171



31.6694, 0.4439, 0.3399

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.



58.1928, 0.3910, 0.3658



58.1928, 0.2464, 0.3171



58.1928, 0.3556, 0.3033

Square

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



58.1928, 0.2464, 0.3171



58.1928, 0.2785, 0.2662



58.1928, 0.3836, 0.3342



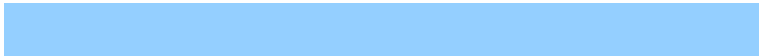
58.1928, 0.3442, 0.3999

Rectangle

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



58.1928, 0.2464, 0.3171



58.1928, 0.2457, 0.2720



58.1928, 0.3836, 0.3342



58.1928, 0.3833, 0.3836

Sweetspot

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



58.1950, 0.2464, 0.3171



91.4674, 0.2897, 0.3257



58.9245, 0.3018, 0.4738



19.3454, 0.2866, 0.3252



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.



58.1950, 0.2464, 0.3171



74.0917, 0.2365, 0.3142



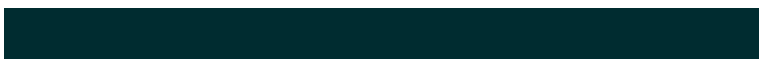
35.1604, 0.2322, 0.2423



15.3698, 0.2982, 0.3270



28.8024, 0.2176, 0.3032



2.0541, 0.2188, 0.3075

Inverse Universe

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



33.2292, 0.3271, 0.2192



37.7220, 0.3307, 0.2000



48.8311, 0.4101, 0.4010



13.9152, 0.3150, 0.3078



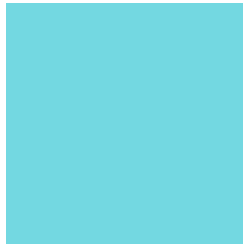
11.8157, 0.3426, 0.1661



0.8248, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 58.1928, 0.2464, 0.3171 looks on a white background.

Color Contrast Check

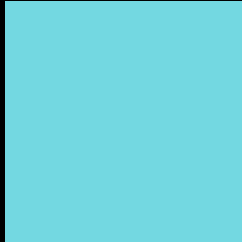
Large Text (above 18pt) WCAG AA × Fail

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 58.1928, 0.2464, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

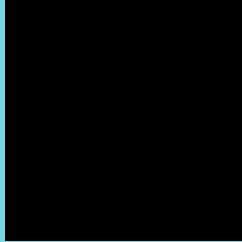
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1928, 0.2464, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 58.1928, 0.2464, 0.3171.

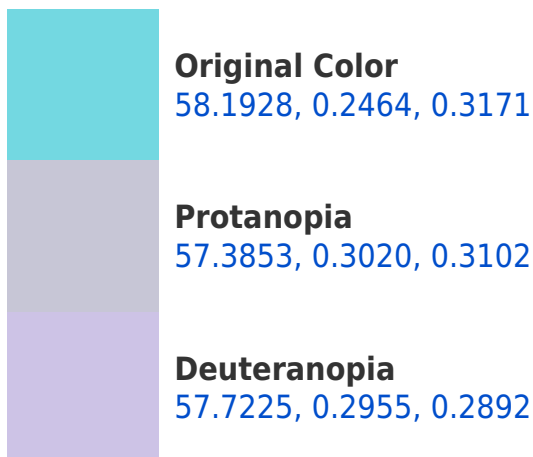


This preview shows how white text looks on a background with the Yxy color 58.1928, 0.2464, 0.3171.

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

58.2090, 0.2437, 0.3071

Trichromacy



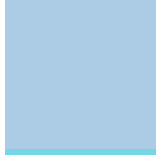
Original Color

58.1928, 0.2464, 0.3171



Protanomaly

57.0494, 0.2777, 0.3128



Deuteranomaly

57.0840, 0.2740, 0.2987



Tritanomaly

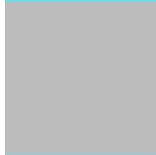
57.9710, 0.2447, 0.3108

Monochromacy



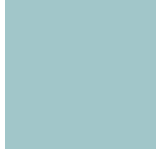
Original Color

58.1928, 0.2464, 0.3171



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.1823, 0.2830, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1928, 0.2464, 0.3171 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(115, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(115, 216, 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(115, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 216, 225) }
```

Border

The CSS property to change the border of an element to Yxy 58.1928, 0.2464, 0.3171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

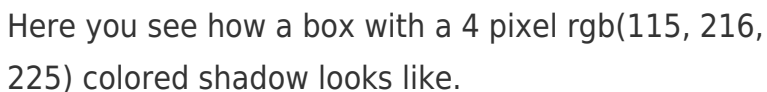
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 216, 225) }
```

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

```
.border{ border-color:rgb(115, 216, 225) }
```

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



Here you see how a box with a 4 pixel rgb(115, 216, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(115, 216,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1928, 0.2464, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 216, 225) }
```

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

```
.background{ background-color: rgb(115,  
216, 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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