

Converting Colors

$Y_{xy}(58.0500, 0.2447, 0.3142)$

Have a look what the booklet for
Yxy(58.0500, 0.2447, 0.3142)
contains.

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Color

Yxy(58.1685, 0.2446, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	71D8E3
RGB	113, 216, 227
RGB Percent	44%, 85%, 89%
CMY	0.5570, 0.1529, 0.1099
CMYK	0.50, 0.05, 0.00, 0.11
HSL	186°, 67%, 67%
HSV	186°, 50%, 89%
XYZ	45.2257, 58.1685, 81.5025
YIQ	186.4570, -64.9190, -18.4150

Conversions

Conversions Part 2

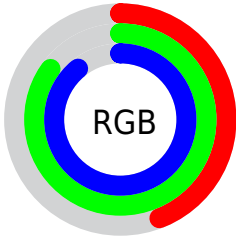
Format	Color
RYB	113, 167, 227
Decimal	7461091
CIELab	80.83, -27.03, -14.64
CIElCh	81, 30.743, 208.440
Yxy	58.1685, 0.2446, 0.3146
Android (android.graphics.Color)	4285651171 (0xFF71D8E3)
YUV	186.4570, 19.9877, -64.4218
Hunter-Lab	76.2683, -27.6222, -9.9712

Details

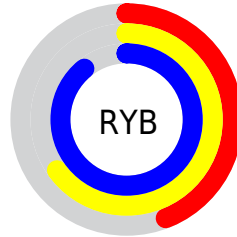
The Yxy color **58.1685, 0.2446, 0.3146** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9208, 0.4484, 0.3420**, and the grayscale version is **49.2823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **29.1213, 0.2280, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **55.7374, 0.2352, 0.3113**, and if you desaturate by 10%, it is **60.9953, 0.2557, 0.3178**.

Distribution



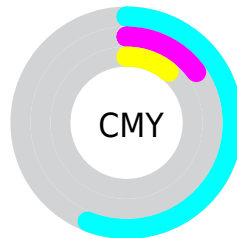
- Red (44%)
- Green (85%)
- Blue (89%)



- Red (44%)
- Yellow (65%)
- Blue (89%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (56%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1685, 0.2446, 0.3146 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 58.1685, 0.2446, 0.3146 by changing the saturation by 10% instead.


 58.1685, 0.2446,
0.3146

 58.1685, 0.2446,
0.3146


417.8135, 0.2766,
0.3224


 41.9441, 0.2372,
0.3125


 102.1682, 0.2558,
0.3175

 29.0575, 0.2281,
0.3098


 130.7123, 0.2601,
0.3186

 19.1244, 0.2165,
0.3062

 164.1318, 0.2638,
0.3195

 11.7602, 0.2014,
0.3010

202.8110, 0.2670,
0.3202

 6.5806, 0.1809,
0.2930

247.1344, 0.2698,
0.3209

 3.2012, 0.1520,
0.2800

297.4864, 0.2723,

 1.2377, 0.1001,

0.3214

0.2583

354.2513, 0.2746,
0.3219

0.0921, 0.0000,
0.0752

0.0000, 0.0000,
0.0000

58.1685, 0.2446,
0.3146

58.1685, 0.2446,
0.3146

55.7374, 0.2352,
0.3113

60.9953, 0.2557,
0.3178

53.6666, 0.2276,
0.3080


64.2369, 0.2684,
0.3209

51.9256, 0.2221,
0.3046

67.9189, 0.2822,
0.3238


50.4755, 0.2183,
0.3013


72.0631, 0.2970,
0.3265


 49.2738, 0.2161,
0.2981

 76.6895, 0.3124,
0.3289

 81.8172, 0.3280,
0.3312

 84.1250, 0.3319,
0.3333

 85.3575, 0.3316,
0.3355

 86.6053, 0.3314,
0.3376

Harmonies

Analogous

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



58.1685, 0.2672, 0.3536



58.1685, 0.2446, 0.3146



58.1685, 0.2393, 0.2832

Triad

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



58.1685, 0.2446, 0.3146



58.1685, 0.3191, 0.2797



58.1685, 0.3753, 0.3925

Complementary

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



58.1685, 0.2446, 0.3146



31.9208, 0.4484, 0.3420

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.



58.1685, 0.3918, 0.3680



58.1685, 0.2446, 0.3146



58.1685, 0.3584, 0.3047

Square

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



58.1685, 0.2446, 0.3146



58.1685, 0.2802, 0.2658



58.1685, 0.3858, 0.3362



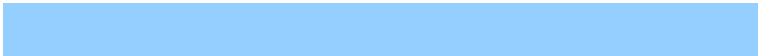
58.1685, 0.3423, 0.4008

Rectangle

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



58.1685, 0.2446, 0.3146



58.1685, 0.2457, 0.2703



58.1685, 0.3858, 0.3362



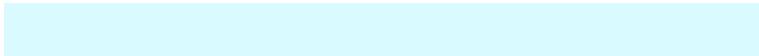
58.1685, 0.3831, 0.3857

Sweetspot

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



58.1707, 0.2446, 0.3146



91.1273, 0.2897, 0.3252



59.8538, 0.3006, 0.4758



19.2626, 0.2866, 0.3246



0.0000, 0.0000, 0.0000



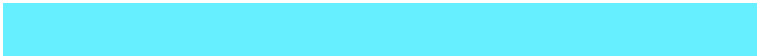
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1707, 0.2446, 0.3146



72.5278, 0.2350, 0.3113



34.3610, 0.2295, 0.2366



16.0868, 0.2982, 0.3267



28.8370, 0.2163, 0.2986



2.2002, 0.2176, 0.3034

Inverse Universe

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



33.0904, 0.3292, 0.2180



37.0704, 0.3331, 0.2000



49.9516, 0.4122, 0.4048



14.5901, 0.3153, 0.3080



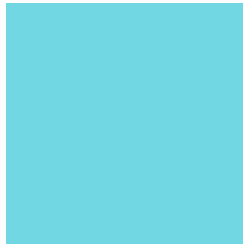
12.1088, 0.3467, 0.1683



0.9018, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 58.1685, 0.2446, 0.3146 looks on a white background.

Color Contrast Check

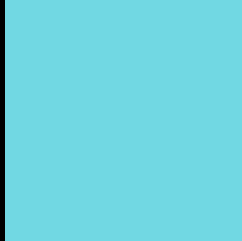
Large Text (above 18pt) WCAG AA × Fail

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 58.1685, 0.2446, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

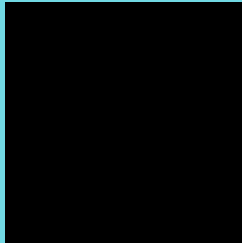
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1685, 0.2446, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 58.1685, 0.2446, 0.3146.

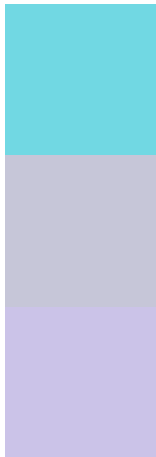


This preview shows how white text looks on a background with the Yxy color 58.1685, 0.2446, 0.3146.

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

58.1685, 0.2446, 0.3146

Protanopia

57.3518, 0.2999, 0.3078

Deuteranopia

57.5529, 0.2926, 0.2869



Tritanopia

58.1289, 0.2424, 0.3058

Trichromacy



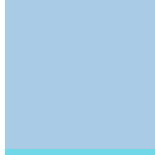
Original Color

58.1685, 0.2446, 0.3146



Protanomaly

57.0454, 0.2758, 0.3104



Deuteranomaly

56.9711, 0.2715, 0.2963



Tritanomaly

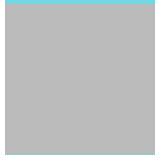
57.9478, 0.2429, 0.3082

Monochromacy



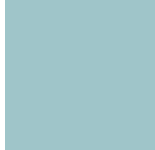
Original Color

58.1685, 0.2446, 0.3146



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.5205, 0.2815, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1685, 0.2446, 0.3146 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(113, 216, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 216, 227)  
}
```

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(113, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 216, 227) }
```

Border

The CSS property to change the border of an element to Yxy 58.1685, 0.2446, 0.3146 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(113, 216, 227) }
```

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

```
.border{ border-color:rgb(113, 216, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 216, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 216,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1685, 0.2446, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 216, 227) }
```

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

```
.background{ background-color: rgb(113,  
216, 227) }
```

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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