

Converting Colors

$Yxy(58.8035, 0.2429, 0.3096)$

Have a look what the booklet for
Yxy(58.8035, 0.2429, 0.3096)
contains.

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Color

Yxy(59.0293, 0.2430, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	72D9E8
RGB	114, 217, 232
RGB Percent	45%, 85%, 91%
CMY	0.5524, 0.1491, 0.0902
CMYK	0.51, 0.06, 0.00, 0.09
HSL	188°, 72%, 68%
HSV	188°, 51%, 91%
XYZ	46.3311, 59.0293, 85.3027
YIQ	187.9130, -66.2030, -17.1710

Conversions

Conversions Part 2

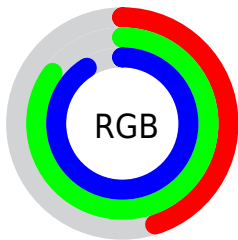
Format	Color
RYB	114, 169, 232
Decimal	7526888
CIELab	81.31, -25.93, -16.60
CIELCh	81, 30.786, 212.632
Yxy	59.0293, 0.2430, 0.3096
Android (android.graphics.Color)	4285716968 (0xFF72D9E8)
YUV	187.9130, 21.7349, -64.8217
Hunter-Lab	76.8305, -26.8125, -12.0466

Details

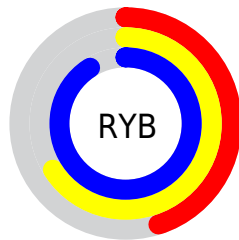
The Yxy color **59.0293, 0.2430, 0.3096** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1176, 0.4486, 0.3463**, and the grayscale version is **50.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **29.6282, 0.2264, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **56.1551, 0.2333, 0.3052**, and if you desaturate by 10%, it is **62.3300, 0.2544, 0.3139**.

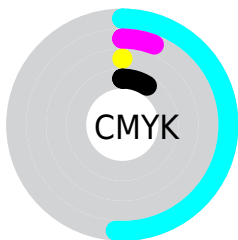
Distribution



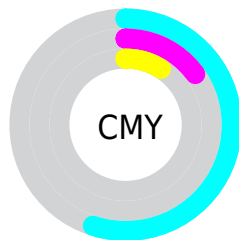
- Red (45%)
- Green (85%)
- Blue (91%)



- Red (45%)
- Yellow (66%)
- Blue (91%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (55%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0293, 0.2430, 0.3096 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 59.0293, 0.2430, 0.3096 by changing the saturation by 10% instead.


 59.0293, 0.2430,
0.3096


 59.0293, 0.2430,
0.3096


421.0105, 0.2756,
0.3198


 42.6367, 0.2355,
0.3070

 103.4202, 0.2543,
0.3134

 29.6002, 0.2263,
0.3036


 132.1874, 0.2587,
0.3148

 19.5353, 0.2146,
0.2991


 165.8482, 0.2625,
0.3159

 12.0577, 0.1995,
0.2927

204.7870, 0.2658,
0.3169

 6.7830, 0.1790,
0.2833

249.3882, 0.2687,
0.3178

 3.3268, 0.1504,
0.2682

300.0363, 0.2713,

 1.3046, 0.1036,

0.3185

0.2426

357.1156, 0.2735,
0.3192

0.1448, 0.0000,
0.0960

0.0000, 0.0000,
0.0000

59.0293, 0.2430,
0.3096

59.0293, 0.2430,
0.3096

56.1551, 0.2333,
0.3052

62.3300, 0.2544,
0.3139

53.6701, 0.2255,
0.3007


66.0778, 0.2673,
0.3180

51.5415, 0.2196,
0.2961


70.2999, 0.2813,
0.3219

49.7276, 0.2156,
0.2917

75.0193, 0.2961,
0.3255

 48.2739, 0.2132,
0.2876

 80.2576, 0.3115,
0.3287

 86.0349, 0.3271,
0.3317

 88.0534, 0.3279,
0.3346

 89.7866, 0.3276,
0.3375

 91.5482, 0.3273,
0.3404

Harmonies

Analogous

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



59.0293, 0.2633, 0.3481



59.0293, 0.2430, 0.3096



59.0293, 0.2402, 0.2801

Triad

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



59.0293, 0.2430, 0.3096



59.0293, 0.3248, 0.2827



59.0293, 0.3713, 0.3946

Complementary

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



59.0293, 0.2430, 0.3096



34.1176, 0.4486, 0.3463

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.



59.0293, 0.3905, 0.3720



59.0293, 0.2430, 0.3096



59.0293, 0.3631, 0.3089

Square

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



59.0293, 0.2430, 0.3096



59.0293, 0.2853, 0.2671



59.0293, 0.3878, 0.3408



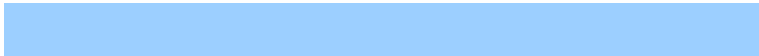
59.0293, 0.3368, 0.4000

Rectangle

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



59.0293, 0.2430, 0.3096



59.0293, 0.2482, 0.2687



59.0293, 0.3878, 0.3408



59.0293, 0.3798, 0.3886

Sweetspot

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



59.0316, 0.2430, 0.3096



90.3821, 0.2897, 0.3240



62.8610, 0.2986, 0.4727



19.0812, 0.2865, 0.3232



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.



59.0316, 0.2430, 0.3096



69.4141, 0.2328, 0.3049



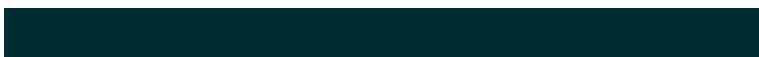
34.3194, 0.2273, 0.2296



16.0064, 0.2982, 0.3259



26.9270, 0.2134, 0.2883



2.0778, 0.2152, 0.2948

Inverse Universe

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



34.2313, 0.3332, 0.2200



36.2774, 0.3384, 0.2020



53.8416, 0.4114, 0.4097



14.5819, 0.3157, 0.3087



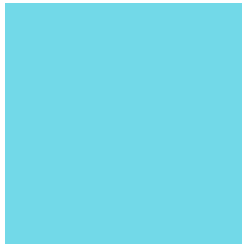
11.9160, 0.3558, 0.1734



0.8894, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 59.0293, 0.2430, 0.3096 looks on a white background.

Color Contrast Check

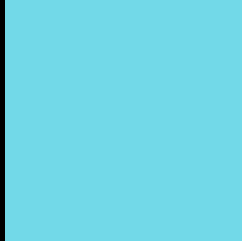
Large Text (above 18pt) WCAG AA × Fail

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 59.0293, 0.2430, 0.3096 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 59.0293, 0.2430, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 59.0293, 0.2430, 0.3096.

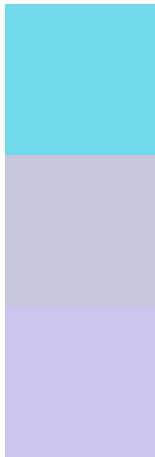


This preview shows how white text looks on a background with the Yxy color 59.0293, 0.2430, 0.3096.

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

59.0293, 0.2430, 0.3096

Protanopia

58.0731, 0.2965, 0.3033

Deuteranopia

58.2908, 0.2893, 0.2827



Tritanopia

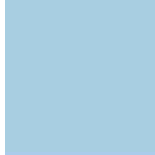
59.2111, 0.2425, 0.3072

Trichromacy



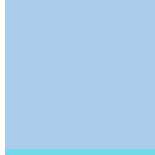
Original Color

59.0293, 0.2430, 0.3096



Protanomaly

57.9037, 0.2736, 0.3057



Deuteranomaly

57.8418, 0.2694, 0.2919



Tritanomaly

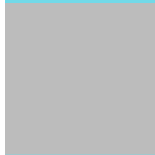
59.1537, 0.2429, 0.3084

Monochromacy



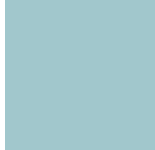
Original Color

59.0293, 0.2430, 0.3096



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.7835, 0.2811, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0293, 0.2430, 0.3096 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(114, 217, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 217, 232)  
}
```

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(114, 217, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 217, 232) }
```

Border

The CSS property to change the border of an element to Yxy 59.0293, 0.2430, 0.3096 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(114, 217, 232) }
```

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

```
.border{ border-color:rgb(114, 217, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 217, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 217, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 217, 232);  
box-shadow:4px 4px 4px 4px rgb(114, 217,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0293, 0.2430, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 217, 232) }
```

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

```
.background{ background-color: rgb(114,  
217, 232) }
```

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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