

Converting Colors

$Y_{xy}(59.8202, 0.2441, 0.3050)$

Have a look what the booklet for
Yxy(59.8202, 0.2441, 0.3050)
contains.

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Color

Yxy(59.7468, 0.2441, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	79D9EC
RGB	121, 217, 236
RGB Percent	47%, 85%, 93%
CMY	0.5257, 0.1490, 0.0745
CMYK	0.49, 0.08, 0.00, 0.07
HSL	190°, 75%, 70%
HSV	190°, 49%, 93%
XYZ	47.8327, 59.7468, 88.3759
YIQ	190.4620, -63.3150, -14.4430

Conversions

Conversions Part 2

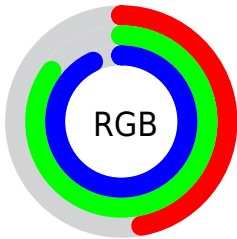
Format	Color
RYB	121, 173, 236
Decimal	7985644
CIELab	81.70, -23.41, -18.11
CIELCh	82, 29.601, 217.725
Yxy	59.7468, 0.2441, 0.3049
Android (android.graphics.Color)	4286175724 (0xFF79D9EC)
YUV	190.4620, 22.4502, -60.9182
Hunter-Lab	77.2961, -24.8079, -13.6816

Details

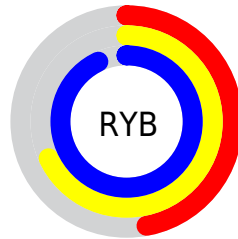
The Yxy color **59.7468, 0.2441, 0.3049** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.9524, 0.4379, 0.3506**, and the grayscale version is **51.6615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **30.0658, 0.2278, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **56.2631, 0.2335, 0.2991**, and if you desaturate by 10%, it is **63.6995, 0.2562, 0.3105**.

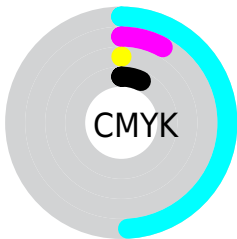
Distribution



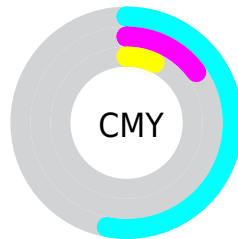
- Red (47%)
- Green (85%)
- Blue (93%)



- Red (47%)
- Yellow (68%)
- Blue (93%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)




- Cyan (53%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7468, 0.2441, 0.3049 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 59.7468, 0.2441, 0.3049 by changing the saturation by 10% instead.


 59.7468, 0.2441,
0.3049

 59.7468, 0.2441,
0.3049

423.6639, 0.2761,
0.3172


 43.2146, 0.2368,
0.3018

 104.4623, 0.2552,
0.3094

 30.0535, 0.2278,
0.2978

 133.4143, 0.2595,
0.3111

 19.8792, 0.2164,
0.2926


 167.2751, 0.2632,
0.3125

 12.3073, 0.2016,
0.2853

206.4290, 0.2665,
0.3137

 6.9533, 0.1817,
0.2748

251.2605, 0.2693,
0.3148

 3.4329, 0.1539,
0.2583

302.1538, 0.2718,

 1.3617, 0.1116,

0.3157

359.4935, 0.2741,
0.3165

0.2304

0.1882, 0.0000,
0.1074

0.0000, 0.0000,
0.0000

59.7468, 0.2441,
0.3049

59.7468, 0.2441,
0.3049

56.2631, 0.2335,
0.2991

63.6995, 0.2562,
0.3105

53.2101, 0.2248,
0.2932

68.1425, 0.2697,
0.3158

50.5547, 0.2180,
0.2872

73.1038, 0.2841,
0.3207

48.2548, 0.2131,
0.2812

78.6072, 0.2992,
0.3253

■ 46.2481, 0.2100,
0.2754

■ 84.6750, 0.3146,
0.3295

■ 46.0087, 0.2096,
0.2746

■ 89.8686, 0.3251,
0.3333

■ 92.1927, 0.3248,
0.3371

■ 94.5665, 0.3244,
0.3408

■ 96.9901, 0.3241,
0.3446

Harmonies

Analogous

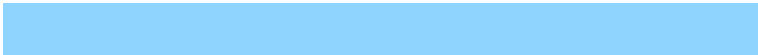
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7468, 0.2609, 0.3409



59.7468, 0.2441, 0.3049



59.7468, 0.2443, 0.2787

Triad

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



59.7468, 0.2441, 0.3049



59.7468, 0.3310, 0.2882



59.7468, 0.3641, 0.3941

Complementary

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



59.7468, 0.2441, 0.3049



37.9524, 0.4379, 0.3506

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.



59.7468, 0.3855, 0.3748



59.7468, 0.2441, 0.3049



59.7468, 0.3662, 0.3148

Square

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



59.7468, 0.2441, 0.3049



59.7468, 0.2925, 0.2712



59.7468, 0.3866, 0.3458



59.7468, 0.3295, 0.3956

Rectangle

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



59.7468, 0.2441, 0.3049



59.7468, 0.2539, 0.2694



59.7468, 0.3866, 0.3458



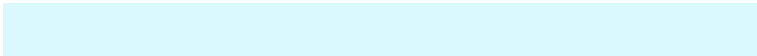
59.7468, 0.3731, 0.3893

Sweetspot

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



59.7491, 0.2441, 0.3049



89.4898, 0.2896, 0.3225



65.8990, 0.2971, 0.4609



18.8643, 0.2864, 0.3215



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.



59.7491, 0.2441, 0.3049



66.8780, 0.2331, 0.2988



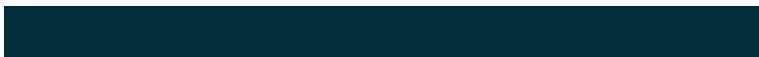
35.6823, 0.2297, 0.2290



16.6738, 0.2981, 0.3250



25.5217, 0.2099, 0.2756



2.1167, 0.2122, 0.2838

Inverse Universe

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



36.5053, 0.3365, 0.2277



36.9938, 0.3431, 0.2096



58.5749, 0.4047, 0.4107



15.2686, 0.3163, 0.3096



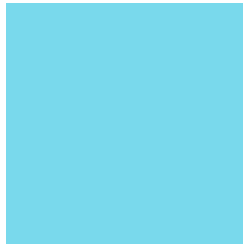
12.0692, 0.3676, 0.1798



0.9591, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 59.7468, 0.2441, 0.3049 looks on a white background.

Color Contrast Check

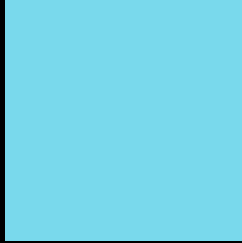
Large Text (above 18pt) WCAG AA × Fail

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 59.7468, 0.2441, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

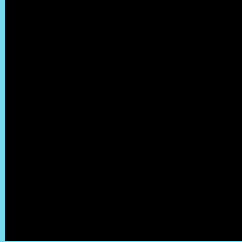
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7468, 0.2441, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 59.7468, 0.2441, 0.3049.

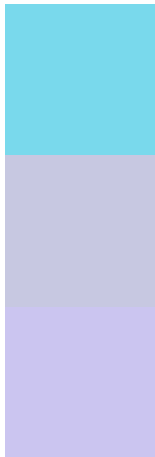


This preview shows how white text looks on a background with the Yxy color 59.7468, 0.2441, 0.3049.

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

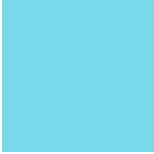
59.7468, 0.2441, 0.3049

Protanopia

58.8869, 0.2945, 0.3001

Deuteranopia

58.9203, 0.2874, 0.2807



Tritanopia

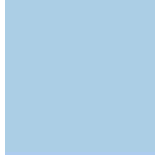
59.6888, 0.2446, 0.3061

Trichromacy



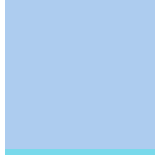
Original Color

59.7468, 0.2441, 0.3049



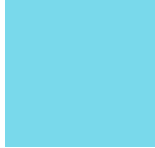
Protanomaly

58.4577, 0.2731, 0.3012



Deuteranomaly

58.3020, 0.2683, 0.2875



Tritanomaly

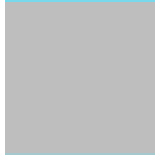
59.6888, 0.2446, 0.3061

Monochromacy



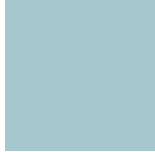
Original Color

59.7468, 0.2441, 0.3049



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.8129, 0.2821, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7468, 0.2441, 0.3049 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(121, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 217, 236)  
}
```

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(121, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 217, 236) }
```

Border

The CSS property to change the border of an element to Yxy 59.7468, 0.2441, 0.3049 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(121, 217, 236) }
```

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

```
.border{ border-color:rgb(121, 217, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(121, 217,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7468, 0.2441, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 217, 236) }
```

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

```
.background{ background-color: rgb(121,  
217, 236) }
```

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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