

Converting Colors

Yxy(61.9847, 0.2394, 0.3188)

Have a look what the booklet for
Yxy(61.9847, 0.2394, 0.3188)
contains.

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Color

Yxy(61.8468, 0.2394, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	64E0E8
RGB	100, 224, 232
RGB Percent	39%, 88%, 91%
CMY	0.6074, 0.1216, 0.0901
CMYK	0.57, 0.03, 0.00, 0.09
HSL	184°, 74%, 65%
HSV	184°, 57%, 91%
XYZ	46.4870, 61.8468, 85.8476
YIQ	187.8360, -76.4720, -23.8000

Conversions

Conversions Part 2

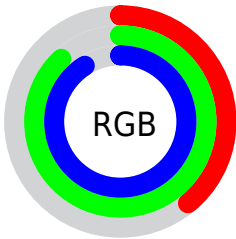
Format	Color
RYB	100, 164, 232
Decimal	6611176
CIELab	82.83, -32.06, -14.37
CIELCh	83, 35.127, 204.139
Yxy	61.8468, 0.2394, 0.3185
Android (android.graphics.Color)	4284801256 (0xFF64E0E8)
YUV	187.8360, 21.7729, -77.0322
Hunter-Lab	78.6427, -32.1104, -9.6720

Details

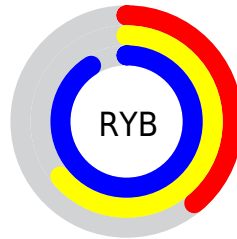
The Yxy color **61.8468, 0.2394, 0.3185** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.8355, 0.4803, 0.3381**, and the grayscale version is **50.1144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **31.2500, 0.2222, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **59.9514, 0.2317, 0.3164**, and if you desaturate by 10%, it is **64.1300, 0.2490, 0.3206**.

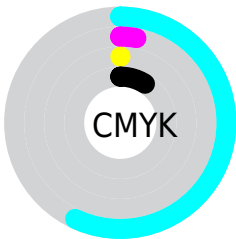
Distribution



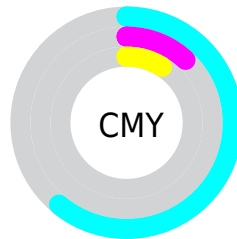
- Red (39%)
- Green (88%)
- Blue (91%)



- Red (39%)
- Yellow (64%)
- Blue (91%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)





- Cyan (61%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8468, 0.2394, 0.3185 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 61.8468, 0.2394, 0.3185 by changing the saturation by 10% instead.

 61.8468, 0.2394,
0.3185


 61.8468, 0.2394,
0.3185

431.3720, 0.2734,
0.3245

 44.9089, 0.2317,
0.3169

 107.5041, 0.2512,
0.3208

 31.3857, 0.2222,
0.3147


 136.9923, 0.2558,
0.3216

 20.8927, 0.2102,
0.3117


 171.4327, 0.2597,
0.3223

 13.0456, 0.1948,
0.3073

211.2097, 0.2631,
0.3229

 7.4600, 0.1741,
0.3007

256.7078, 0.2662,
0.3234

 3.7514, 0.1455,
0.2896

308.3113, 0.2688,

 1.5355, 0.0999,

0.3238

0.2702

366.4046, 0.2712,
0.3242

■ 0.3135, 0.0000,
0.1832

■ 0.0000, 0.0000,
0.0000

■ 61.8468, 0.2394,
0.3185

■ 61.8468, 0.2394,
0.3185

■ 59.9514, 0.2317,
0.3164

■ 64.1300, 0.2490,
0.3206

■ 58.4038, 0.2259,
0.3143


■ 66.8229, 0.2603,
0.3225

■ 57.1678, 0.2220,
0.3123


■ 69.9542, 0.2731,
0.3245

■ 56.1939, 0.2198,
0.3103

■ 73.5479, 0.2872,
0.3263

 55.9164, 0.2193,
0.3096

 77.6263, 0.3021,
0.3279

 82.2101, 0.3176,
0.3295

 85.8649, 0.3283,
0.3309

 86.6720, 0.3282,
0.3323

 87.4855, 0.3280,
0.3336

Harmonies

Analogous

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



61.8468, 0.2667, 0.3627



61.8468, 0.2394, 0.3185



61.8468, 0.2308, 0.2817

Triad

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



61.8468, 0.2394, 0.3185



61.8468, 0.3130, 0.2712



61.8468, 0.3865, 0.3966

Complementary

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



61.8468, 0.2394, 0.3185



28.8355, 0.4803, 0.3381

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.



61.8468, 0.4019, 0.3671



61.8468, 0.2394, 0.3185



61.8468, 0.3580, 0.2973

Square

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



61.8468, 0.2394, 0.3185



61.8468, 0.2709, 0.2580



61.8468, 0.3916, 0.3314



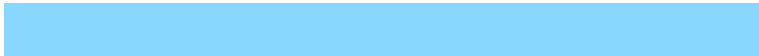
61.8468, 0.3514, 0.4098

Rectangle

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



61.8468, 0.2394, 0.3185



61.8468, 0.2360, 0.2659



61.8468, 0.3916, 0.3314



61.8468, 0.3943, 0.3880

Sweetspot

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



61.8491, 0.2394, 0.3185



91.0126, 0.2868, 0.3262



61.4967, 0.3013, 0.5040



19.2784, 0.2839, 0.3259



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.



61.8491, 0.2394, 0.3185



73.9637, 0.2307, 0.3161



33.4999, 0.2199, 0.2280



16.1781, 0.2982, 0.3275



31.1039, 0.2194, 0.3100



2.3443, 0.2203, 0.3129

Inverse Universe

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



31.6751, 0.3270, 0.2019



33.7930, 0.3300, 0.1840



47.8384, 0.4315, 0.4090



14.5993, 0.3147, 0.3072



12.3377, 0.3368, 0.1629



0.9163, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 61.8468, 0.2394, 0.3185 looks on a white background.

Color Contrast Check

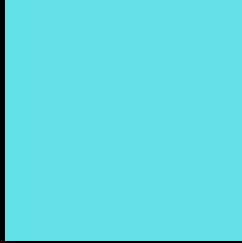
Large Text (above 18pt) WCAG AA × Fail

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 61.8468, 0.2394, 0.3185 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 61.8468, 0.2394, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 61.8468, 0.2394, 0.3185.

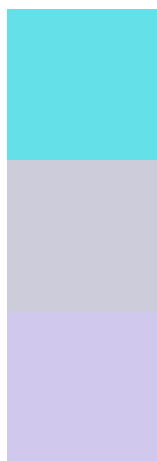


This preview shows how white text looks on a background with the Yxy color 61.8468, 0.2394, 0.3185.

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

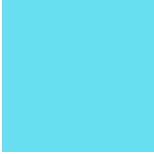
61.8468, 0.2394, 0.3185

Protanopia

61.1376, 0.3023, 0.3117

Deuteranopia

60.9783, 0.2938, 0.2879



Tritanopia

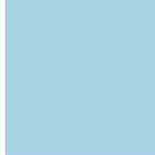
62.0693, 0.2367, 0.3062

Trichromacy



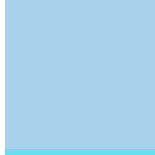
Original Color

61.8468, 0.2394, 0.3185



Protanomaly

60.0773, 0.2734, 0.3131



Deuteranomaly

60.0341, 0.2687, 0.2979



Tritanomaly

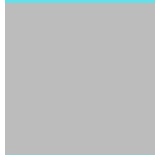
61.8320, 0.2376, 0.3098

Monochromacy



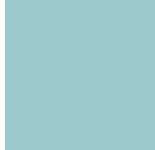
Original Color

61.8468, 0.2394, 0.3185



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.2008, 0.2779, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8468, 0.2394, 0.3185 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(100, 224, 232)` looks like.

```
.text, #text, p{  
    color:rgb(100, 224, 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(100, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 224, 232) }
```

Border

The CSS property to change the border of an element to Yxy 61.8468, 0.2394, 0.3185 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(100, 224, 232) }
```

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

```
.border{ border-color:rgb(100, 224, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 224, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(100, 224,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8468, 0.2394, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 224, 232) }
```

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

```
.background{ background-color: rgb(100,  
224, 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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