

Converting Colors

$Y_{xy}(61.9458, 0.2405, 0.3719)$

Have a look what the booklet for
Yxy(61.9458, 0.2405, 0.3719)
contains.

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Color

Yxy(61.8355, 0.2405, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	2BE7C8
RGB	43, 231, 200
RGB Percent	17%, 91%, 78%
CMY	0.8314, 0.0941, 0.2156
CMYK	0.81, 0.00, 0.13, 0.09
HSL	170°, 80%, 54%
HSV	170°, 81%, 91%
XYZ	39.9985, 61.8355, 64.4799
YIQ	171.2540, -102.0970, -49.4970

Conversions

Conversions Part 2

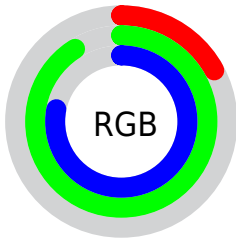
Format	Color
RYB	43, 145, 231
Decimal	2877384
CIELab	82.83, -51.28, 2.44
CIElCh	83, 51.342, 177.279
Yxy	61.8355, 0.2405, 0.3718
Android (android.graphics.Color)	4281067464 (0xFF2BE7C8)
YUV	171.2540, 14.1718, -112.4788
Hunter-Lab	78.6356, -46.8170, 6.4280

Details

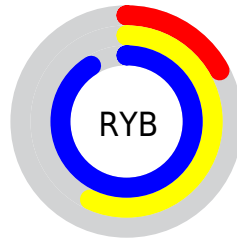
The Yxy color **61.8355, 0.2405, 0.3718** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **19.2115, 0.5600, 0.3069**, and the grayscale version is **40.8265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **32.3474, 0.2390, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **61.2961, 0.2394, 0.3777**, and if you desaturate by 10%, it is **62.6663, 0.2435, 0.3659**.

Distribution



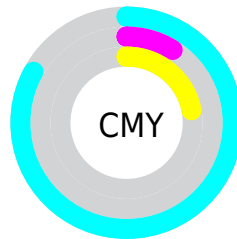
- Red (17%)
- Green (91%)
- Blue (78%)



- Red (17%)
- Yellow (57%)
- Blue (91%)



- Cyan (81%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)





- Cyan (83%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8355, 0.2405, 0.3718 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 61.8355, 0.2405, 0.3718 by changing the saturation by 10% instead.

 61.8355, 0.2405,
0.3718


 61.8355, 0.2405,
0.3718

431.3308, 0.2747,
0.3513


 44.8998, 0.2325,
0.3766


 107.4877, 0.2525,
0.3646


 31.3785, 0.2226,
0.3827


 136.9731, 0.2571,
0.3618


 20.8872, 0.2100,
0.3905


 171.4104, 0.2611,
0.3594

 13.0416, 0.1934,
0.4008

 211.1841, 0.2645,
0.3574

 7.4572, 0.1708,
0.4153

 256.6786, 0.2675,
0.3556

 3.7496, 0.1384,
0.4364

308.2783, 0.2702,

 1.5345, 0.0318,

0.3540

0.5000

366.3676, 0.2726,
0.3526

■ 0.3128, 0.0000,
0.6476

■ 0.0000, 0.0000,
0.0000

■ 61.8355, 0.2405,
0.3718

■ 61.8355, 0.2405,
0.3718

■ 61.2961, 0.2394,
0.3777


■ 62.6663, 0.2435,
0.3659

■ 61.0004, 0.2397,
0.3828


■ 63.8231, 0.2485,
0.3599


■ 65.3431, 0.2553,
0.3542


■ 67.2566, 0.2640,
0.3486

 69.5908, 0.2741,
0.3433

 72.3704, 0.2855,
0.3383

 75.6181, 0.2979,
0.3337

 79.3551, 0.3109,
0.3295

 83.6015, 0.3243,
0.3258

Harmonies

Analogous

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



61.8355, 0.2962, 0.4295



61.8355, 0.2405, 0.3718



61.8355, 0.2062, 0.3047

Triad

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



61.8355, 0.2405, 0.3718



61.8355, 0.2576, 0.2306



61.8355, 0.4415, 0.3844

Complementary

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



61.8355, 0.2405, 0.3718



19.2115, 0.5600, 0.3069

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.



61.8355, 0.4318, 0.3348



61.8355, 0.2405, 0.3718



61.8355, 0.3189, 0.2511

Square

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



61.8355, 0.2405, 0.3718



61.8355, 0.2157, 0.2308



61.8355, 0.3849, 0.2879



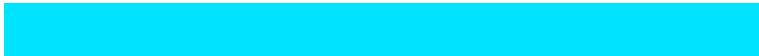
61.8355, 0.4134, 0.4276

Rectangle

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



61.8355, 0.2405, 0.3718



61.8355, 0.1978, 0.2688



61.8355, 0.3849, 0.2879



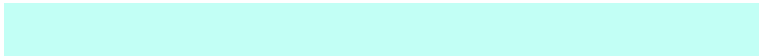
61.8355, 0.4428, 0.3680

Sweetspot

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



61.8379, 0.2405, 0.3718



89.5502, 0.2823, 0.3397



58.7970, 0.3105, 0.5730



18.8988, 0.2782, 0.3414



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.



61.8379, 0.2405, 0.3718



76.3983, 0.2396, 0.3819



34.4126, 0.2039, 0.2380



16.2935, 0.3003, 0.3329



34.2126, 0.2394, 0.3818



2.5391, 0.2370, 0.3732

Inverse Universe

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



19.2115, 0.5600, 0.3069



21.5703, 0.6152, 0.3175



27.4037, 0.5389, 0.3835



14.4066, 0.3267, 0.3252



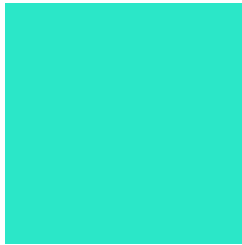
9.6150, 0.6157, 0.3165



0.7222, 0.5784, 0.2960

Previews

White Background



This preview shows how the Yxy color 61.8355, 0.2405, 0.3718 looks on a white background.

Color Contrast Check

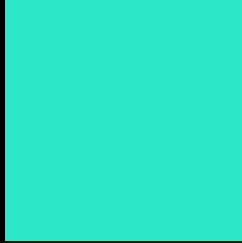
Large Text (above 18pt) WCAG AA × Fail

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 61.8355, 0.2405, 0.3718 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

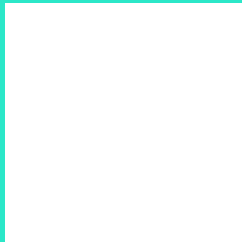
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8355, 0.2405, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 61.8355, 0.2405, 0.3718.



This preview shows how white text looks on a background with the Yxy color 61.8355, 0.2405, 0.3718.

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

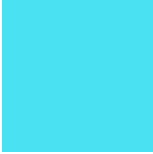
61.8355, 0.2405, 0.3718

Protanopia

60.6856, 0.3328, 0.3513

Deuteranopia

60.5811, 0.3258, 0.3190



Tritanopia

61.7773, 0.2274, 0.3058

Trichromacy



Original Color

61.8355, 0.2405, 0.3718



Protanomaly

58.3901, 0.2845, 0.3603



Deuteranomaly

57.7219, 0.2801, 0.3366



Tritanomaly

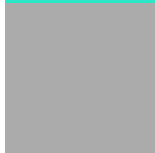
61.5410, 0.2318, 0.3288

Monochromacy



Original Color

61.8355, 0.2405, 0.3718



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.8024, 0.2697, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8355, 0.2405, 0.3718 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(43, 231, 200)` looks like.

```
.text, #text, p{  
  color:rgb(43, 231, 200)  
}
```

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(43, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 231, 200) }
```

Border

The CSS property to change the border of an element to Yxy 61.8355, 0.2405, 0.3718 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(43, 231, 200) }
```

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

```
.border{ border-color:rgb(43, 231, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 231, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 231, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 231, 200);  
box-shadow:4px 4px 4px 4px rgb(43, 231,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8355, 0.2405, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 231, 200) }
```

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

```
.background{ background-color: rgb(43, 231,  
200) }
```

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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