

Converting Colors

$Y_{xy}(62.7085, 0.2177, 0.2993)$

Have a look what the booklet for
Yxy(62.7085, 0.2177, 0.2993)
contains.

Yxy(62.6585, 0.2178, 0.2996)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.6585, 0.2178, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	19E4FB
RGB	25, 228, 251
RGB Percent	10%, 89%, 98%
CMY	0.9022, 0.1058, 0.0158
CMYK	0.90, 0.09, 0.00, 0.02
HSL	186°, 97%, 54%
HSV	186°, 90%, 98%
XYZ	45.5508, 62.6585, 100.9312
YIQ	169.9250, -128.3710, -35.8830

Conversions

Conversions Part 2

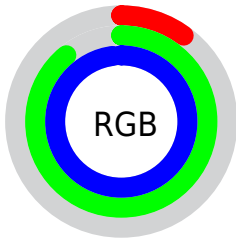
Format	Color
R _Y B	25, 132, 251
Decimal	1697019
CIE Lab	83.26, -36.57, -23.87
CIE LCh	83, 43.672, 213.126
Yxy	62.6585, 0.2178, 0.2996
Android (android.graphics.Color)	4279887099 (0xFF19E4FB)
YUV	169.9250, 39.9700, -127.0992
Hunter-Lab	79.1571, -35.8075, -20.1892

Details

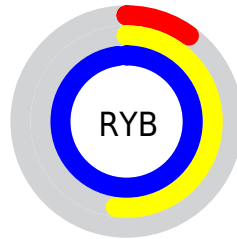
The Yxy color **62.6585, 0.2178, 0.2996** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.6790, 0.6137, 0.3394**, and the grayscale version is **39.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **33.4001, 0.2147, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **61.0706, 0.2156, 0.2962**, and if you desaturate by 10%, it is **64.5470, 0.2216, 0.3031**.

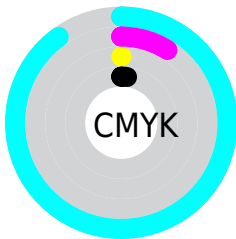
Distribution



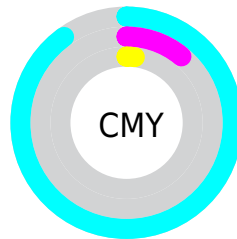
- Red (10%)
- Green (89%)
- Blue (98%)



- Red (10%)
- Yellow (52%)
- Blue (98%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)





- Cyan (90%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6585, 0.2178, 0.2996 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 62.6585, 0.2178, 0.2996 by changing the saturation by 10% instead.


 62.6585, 0.2178,
0.2996


 62.6585, 0.2178,
0.2996


434.3290, 0.2610,
0.3151

 45.5650, 0.2082,
0.2957


 108.6767, 0.2326,
0.3053

 31.9027, 0.1966,
0.2906


 138.3701, 0.2384,
0.3074

 21.2872, 0.1823,
0.2838


 173.0324, 0.2434,
0.3092

 13.3341, 0.1642,
0.2746

 213.0478, 0.2478,
0.3107

 7.6590, 0.1408,
0.2612

258.8008, 0.2517,
0.3120

 3.8775, 0.1103,
0.2408

310.6757, 0.2551,

 1.6053, 0.0653,

0.3132

0.2086

369.0570, 0.2582,
0.3142

■ 0.3612, 0.0000,
0.1249

■ 0.0000, 0.0000,
0.0000

■ 62.6585, 0.2178,
0.2996

■ 62.6585, 0.2178,
0.2996

■ 61.0706, 0.2156,
0.2962

■ 64.5470, 0.2216,
0.3031

■ 66.8031, 0.2272,
0.3067

■ 69.4791, 0.2348,
0.3103

■ 72.6169, 0.2443,
0.3138

■ 76.2533, 0.2556,
0.3172

■ 80.4212, 0.2683,
0.3204

■ 85.1504, 0.2823,
0.3235

■ 90.4688, 0.2972,
0.3264

■ 96.4020, 0.3126,
0.3290

Harmonies

Analogous

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



62.6585, 0.2438, 0.3542



62.6585, 0.2178, 0.2996



62.6585, 0.2149, 0.2605

Triad

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



62.6585, 0.2178, 0.2996



62.6585, 0.3296, 0.2670



62.6585, 0.3919, 0.4192

Complementary

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



62.6585, 0.2178, 0.2996



22.6790, 0.6137, 0.3394

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.



62.6585, 0.4202, 0.3861



62.6585, 0.2178, 0.2996



62.6585, 0.3835, 0.3016

Square

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



62.6585, 0.2178, 0.2996



62.6585, 0.2752, 0.2460



62.6585, 0.4178, 0.3437



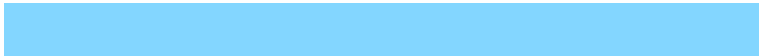
62.6585, 0.3435, 0.4293

Rectangle

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



62.6585, 0.2178, 0.2996



62.6585, 0.2256, 0.2463



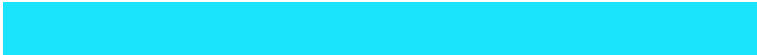
62.6585, 0.4178, 0.3437



62.6585, 0.4042, 0.4100

Sweetspot

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



62.6608, 0.2178, 0.2996



84.8169, 0.2725, 0.3214



69.3890, 0.2974, 0.5827



17.8116, 0.2678, 0.3203



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.



62.6608, 0.2178, 0.2996



63.3136, 0.2156, 0.2961



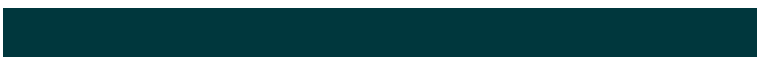
19.5115, 0.1747, 0.1422



19.2895, 0.2980, 0.3265



32.2359, 0.2158, 0.2967



3.0699, 0.2169, 0.3009

Inverse Universe

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



26.7979, 0.3455, 0.1711



26.9227, 0.3489, 0.1695



45.9087, 0.4986, 0.4350



17.4924, 0.3154, 0.3080



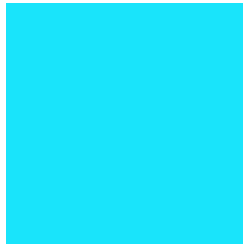
13.6651, 0.3483, 0.1692



1.2741, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 62.6585, 0.2178, 0.2996 looks on a white background.

Color Contrast Check

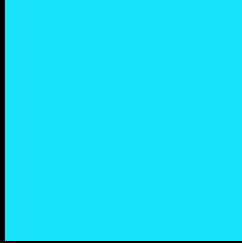
Large Text (above 18pt) WCAG AA × Fail

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 62.6585, 0.2178, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

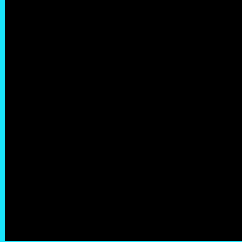
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6585, 0.2178, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 62.6585, 0.2178, 0.2996.

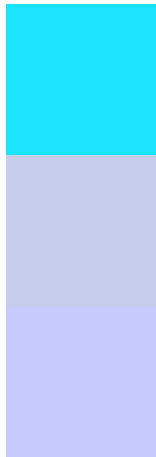


This preview shows how white text looks on a background with the Yxy color 62.6585, 0.2178, 0.2996.

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

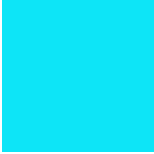
62.6585, 0.2178, 0.2996

Protanopia

61.4632, 0.2888, 0.2939

Deuteranopia

61.7404, 0.2764, 0.2709



Tritanopia

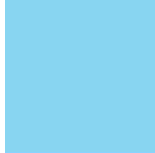
62.8396, 0.2188, 0.3057

Trichromacy



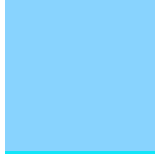
Original Color

62.6585, 0.2178, 0.2996



Protanomaly

59.1736, 0.2479, 0.2944



Deuteranomaly

58.9785, 0.2413, 0.2772



Tritanomaly

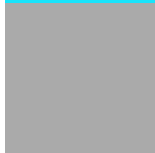
62.9351, 0.2186, 0.3045

Monochromacy



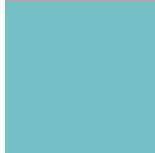
Original Color

62.6585, 0.2178, 0.2996



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

45.1670, 0.2550, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6585, 0.2178, 0.2996 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(25, 228, 251)` looks like.

```
.text, #text, p{  
    color:rgb(25, 228, 251)  
}
```

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(25, 228, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 228, 251) }
```

Border

The CSS property to change the border of an element to Yxy 62.6585, 0.2178, 0.2996 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(25, 228, 251) }
```

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

```
.border{ border-color:rgb(25, 228, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 228, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 228, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 228, 251);  
box-shadow:4px 4px 4px 4px rgb(25, 228,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6585, 0.2178, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 228, 251) }
```

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

```
.background{ background-color: rgb(25, 228,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor