

Converting Colors

$Yxy(61.6476, 0.2192, 0.3071)$

Have a look what the booklet for
Yxy(61.6476, 0.2192, 0.3071)
contains.

Yxy(61.5554, 0.2191, 0.3067)	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(61.5554, 0.2191, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	0EE3F4
RGB	14, 227, 244
RGB Percent	5%, 89%, 96%
CMY	0.9465, 0.1098, 0.0430
CMYK	0.94, 0.07, 0.00, 0.04
HSL	184°, 91%, 51%
HSV	184°, 94%, 96%
XYZ	43.9739, 61.5554, 95.1730
YIQ	165.2510, -132.4050, -39.8690

Conversions

Conversions Part 2

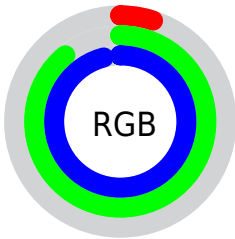
Format	Color
R _Y B	14, 125, 244
Decimal	975860
CIE Lab	82.68, -38.62, -21.09
CIE LCh	83, 44.002, 208.646
Yxy	61.5554, 0.2191, 0.3067
Android (android.graphics.Color)	4279165940 (0xFF0EE3F4)
YUV	165.2510, 38.8233, -132.6471
Hunter-Lab	78.4572, -37.2541, -17.0020

Details

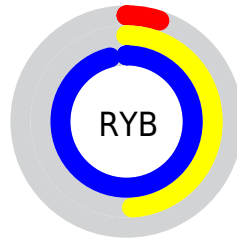
The Yxy color **61.5554, 0.2191, 0.3067** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **20.2317, 0.6269, 0.3349**, and the grayscale version is **37.5549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **32.7567, 0.2168, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **60.9173, 0.2182, 0.3053**, and if you desaturate by 10%, it is **62.8722, 0.2218, 0.3092**.

Distribution



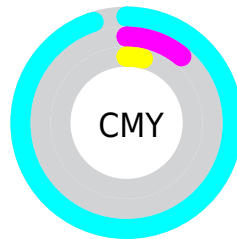
- Red (5%)
- Green (89%)
- Blue (96%)



- Red (5%)
- Yellow (49%)
- Blue (96%)



- Cyan (94%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (95%)
- Magenta (11%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5554, 0.2191, 0.3067 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 61.5554, 0.2191, 0.3067 by changing the saturation by 10% instead.

 61.5554, 0.2191,
0.3067

 61.5554, 0.2191,
0.3067


 430.3075, 0.2619,
0.3189

 44.6735, 0.2096,
0.3035


 107.0827, 0.2338,
0.3113

 31.2004, 0.1979,
0.2993


 136.4969, 0.2396,
0.3130


 20.7515, 0.1835,
0.2936


 170.8574, 0.2445,
0.3144

 12.9425, 0.1652,
0.2857

 210.5486, 0.2489,
0.3155

 7.3889, 0.1415,
0.2740

 255.9548, 0.2527,
0.3166

 3.7065, 0.1101,
0.2555

 307.4604, 0.2561,

 1.5108, 0.0586,

0.3174

0.2262

365.4498, 0.2592,
0.3182

■ 0.2963, 0.0000,
0.1257

■ 0.0000, 0.0000,
0.0000

■ 61.5554, 0.2191,
0.3067

■ 61.5554, 0.2191,
0.3067

■ 60.9173, 0.2182,
0.3053

■ 62.8722, 0.2218,
0.3092

■ 64.5005, 0.2262,
0.3117

■ 66.4937, 0.2326,
0.3143

■ 68.8940, 0.2410,
0.3168

■ 71.7373, 0.2512,
0.3193

■ 75.0558, 0.2630,
0.3217

■ 78.8784, 0.2763,
0.3240

■ 83.2318, 0.2907,
0.3262

■ 88.1409, 0.3058,
0.3282

Harmonies

Analogous

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



61.5554, 0.2487, 0.3631



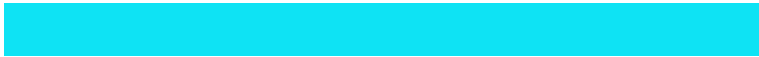
61.5554, 0.2191, 0.3067



61.5554, 0.2126, 0.2641

Triad

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



61.5554, 0.2191, 0.3067



61.5554, 0.3211, 0.2621



61.5554, 0.3987, 0.4164

Complementary

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



61.5554, 0.2191, 0.3067



20.2317, 0.6269, 0.3349

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.



61.5554, 0.4234, 0.3806



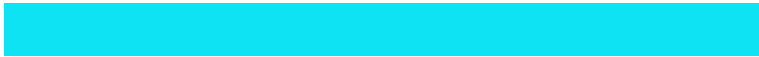
61.5554, 0.2191, 0.3067



61.5554, 0.3771, 0.2953

Square

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



61.5554, 0.2191, 0.3067



61.5554, 0.2674, 0.2433



61.5554, 0.4160, 0.3372



61.5554, 0.3519, 0.4312

Rectangle

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



61.5554, 0.2191, 0.3067



61.5554, 0.2213, 0.2476



61.5554, 0.4160, 0.3372



61.5554, 0.4100, 0.4061

Sweetspot

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



61.5576, 0.2191, 0.3067



85.5586, 0.2713, 0.3232



64.8975, 0.2988, 0.5920



17.9264, 0.2656, 0.3222



0.0000, 0.0000, 0.0000



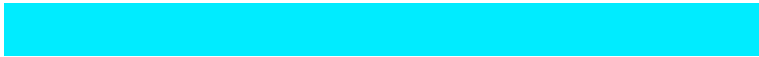
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.5576, 0.2191, 0.3067



67.2940, 0.2181, 0.3053



18.5396, 0.1741, 0.1437



18.5357, 0.2981, 0.3272



33.2035, 0.2183, 0.3057



2.9797, 0.2191, 0.3088

Inverse Universe

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



25.0881, 0.3395, 0.1659



27.3245, 0.3408, 0.1651



39.2733, 0.5143, 0.4262



16.7459, 0.3149, 0.3074



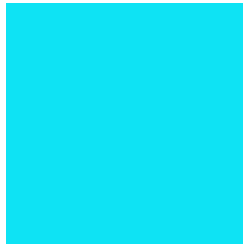
13.4513, 0.3404, 0.1649



1.1884, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 61.5554, 0.2191, 0.3067 looks on a white background.

Color Contrast Check

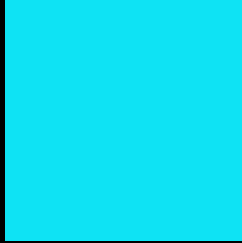
Large Text (above 18pt) WCAG AA × Fail

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 61.5554, 0.2191, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

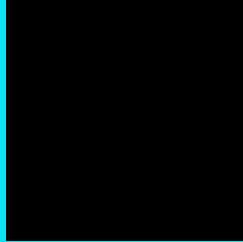
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.5554, 0.2191, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 61.5554, 0.2191, 0.3067.

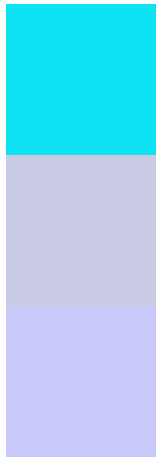


This preview shows how white text looks on a background with the Yxy color 61.5554, 0.2191, 0.3067.

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

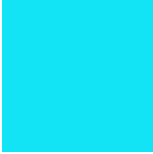
61.5632, 0.2191, 0.3067

Protanopia

60.7308, 0.2941, 0.3004

Deuteranopia

60.6282, 0.2799, 0.2737



Tritanopia

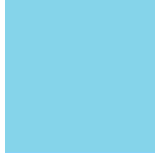
61.6593, 0.2190, 0.3055

Trichromacy



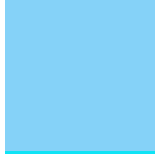
Original Color

61.5632, 0.2191, 0.3067



Protanomaly

58.0140, 0.2496, 0.3012



Deuteranomaly

57.8570, 0.2424, 0.2824



Tritanomaly

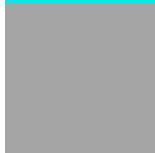
61.6409, 0.2189, 0.3055

Monochromacy



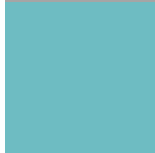
Original Color

61.5632, 0.2191, 0.3067



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.1765, 0.2532, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5554, 0.2191, 0.3067 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(14, 227, 244)` looks like.

```
.text, #text, p{  
    color:rgb(14, 227, 244)  
}
```

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(14, 227, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 227, 244) }
```

Border

The CSS property to change the border of an element to Yxy 61.5554, 0.2191, 0.3067 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(14, 227, 244) }
```

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

```
.border{ border-color:rgb(14, 227, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 227, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 227, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 227, 244);  
box-shadow:4px 4px 4px 4px rgb(14, 227,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5554, 0.2191, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 227, 244) }
```

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

```
.background{ background-color: rgb(14, 227,  
244) }
```

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