

Converting Colors

$Y_{xy}(61.5813, 0.2183, 0.2906)$

Have a look what the booklet for
Yxy(61.5813, 0.2183, 0.2906)
contains.

Yxy(61.7742, 0.2184, 0.2911)	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(61.7742, 0.2184, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	33E1FF
RGB	51, 225, 255
RGB Percent	20%, 88%, 100%
CMY	0.7993, 0.1177, 0.0000
CMYK	0.80, 0.12, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 80%, 100%
XYZ	46.3466, 61.7742, 104.0888
YIQ	176.3940, -113.3340, -27.5580

Conversions

Conversions Part 2

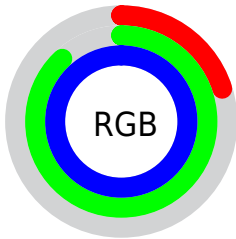
Format	Color
R _Y B	51, 145, 255
Decimal	3400191
CIE Lab	82.79, -32.29, -26.69
CIE LCh	83, 41.888, 219.577
Yxy	61.7742, 0.2184, 0.2911
Android (android.graphics.Color)	4281590271 (0xFF33E1FF)
YUV	176.3940, 38.7528, -109.9705
Hunter-Lab	78.5966, -32.2867, -23.5027

Details

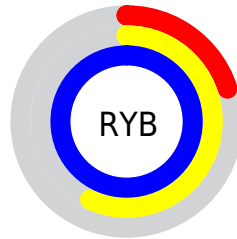
The Yxy color **61.7742, 0.2184, 0.2911** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.4132, 0.5722, 0.3501**, and the grayscale version is **43.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.2758, 0.2140, 0.2858**, and if you desaturate by 10%, it is **64.6844, 0.2247, 0.2964**.

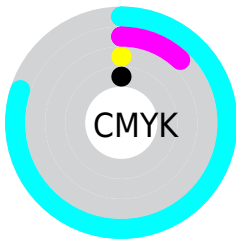
Distribution



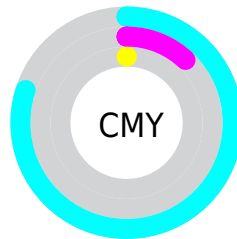
- Red (20%)
- Green (88%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7742, 0.2184, 0.2911 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 61.7742, 0.2184, 0.2911 by changing the saturation by 10% instead.


 61.7742, 0.2184,
0.2911


 61.7742, 0.2184,
0.2911


431.1070, 0.2613,
0.3105


 44.8503, 0.2089,
0.2863


 107.3991, 0.2331,
0.2981


 31.3395, 0.1973,
0.2802


 136.8689, 0.2389,
0.3008

 20.8575, 0.1831,
0.2722


 171.2894, 0.2439,
0.3030

 13.0199, 0.1650,
0.2613

 211.0451, 0.2482,
0.3049

 7.4422, 0.1418,
0.2460

256.5203, 0.2521,
0.3066

 3.7402, 0.1114,
0.2232

308.0994, 0.2555,

 1.5293, 0.0685,

0.3081

0.1879

366.1668, 0.2586,
0.3093

■ 0.3092, 0.0000,
0.0992

■ 0.0000, 0.0000,
0.0000

■ 61.7742, 0.2184,
0.2911

■ 61.7742, 0.2184,
0.2911

■ 59.2758, 0.2140,
0.2858

■ 64.6844, 0.2247,
0.2964

■ 57.0984, 0.2113,
0.2806

■ 68.0522, 0.2330,
0.3017

■ 57.0834, 0.2113,
0.2806

■ 71.9235, 0.2431,
0.3069

■ 76.3366, 0.2549,
0.3119

■ 81.3258, 0.2680,
0.3166

■ 86.9224, 0.2823,
0.3211

■ 93.1553, 0.2973,
0.3252

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



61.7742, 0.2390, 0.3415



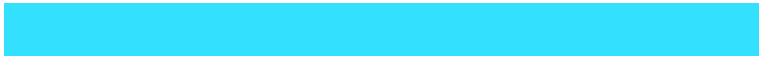
61.7742, 0.2184, 0.2911



61.7742, 0.2203, 0.2574

Triad

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



61.7742, 0.2184, 0.2911



61.7742, 0.3409, 0.2753



61.7742, 0.3804, 0.4205

Complementary

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



61.7742, 0.2184, 0.2911



27.4132, 0.5722, 0.3501

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.



61.7742, 0.4128, 0.3925



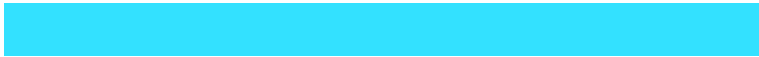
61.7742, 0.2184, 0.2911



61.7742, 0.3902, 0.3110

Square

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



61.7742, 0.2184, 0.2911



61.7742, 0.2871, 0.2517



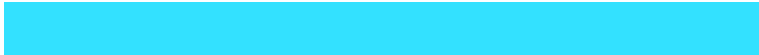
61.7742, 0.4172, 0.3525



61.7742, 0.3313, 0.4233

Rectangle

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



61.7742, 0.2184, 0.2911



61.7742, 0.2339, 0.2467



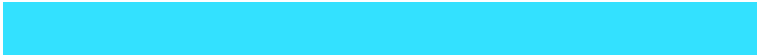
61.7742, 0.4172, 0.3525



61.7742, 0.3937, 0.4133

Sweetspot

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



61.7763, 0.2184, 0.2911



84.5687, 0.2764, 0.3193



72.7837, 0.2950, 0.5573



17.6785, 0.2713, 0.3177



0.0000, 0.0000, 0.0000



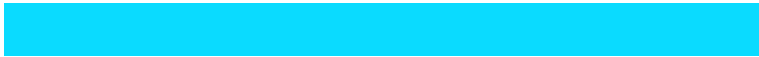
21.4041, 0.3127, 0.3290

Same Dimension

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



61.7763, 0.2184, 0.2911



57.9291, 0.2123, 0.2827



22.8285, 0.1824, 0.1550



19.9988, 0.2980, 0.3254



30.0009, 0.2115, 0.2815



3.0398, 0.2132, 0.2874

Inverse Universe

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



29.0795, 0.3524, 0.1829



26.5939, 0.3609, 0.1773



54.2509, 0.4732, 0.4410



18.2517, 0.3161, 0.3090



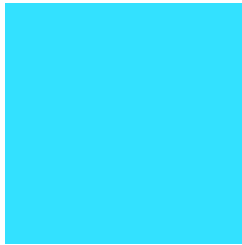
13.7566, 0.3621, 0.1768



1.3514, 0.3567, 0.1738

Previews

White Background



This preview shows how the Yxy color 61.7742, 0.2184, 0.2911 looks on a white background.

Color Contrast Check

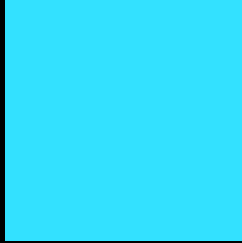
Large Text (above 18pt) WCAG AA × Fail

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 61.7742, 0.2184, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

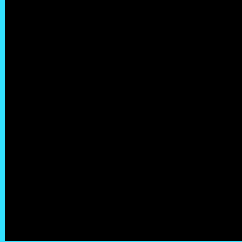
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7742, 0.2184, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 61.7742, 0.2184, 0.2911.

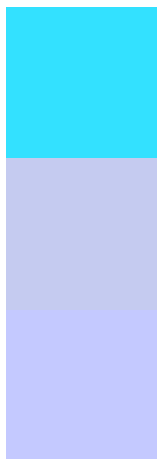


This preview shows how white text looks on a background with the Yxy color 61.7742, 0.2184, 0.2911.

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

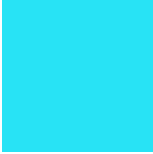
61.7742, 0.2184, 0.2911

Protanopia

60.8735, 0.2835, 0.2871

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.9819, 0.2210, 0.3056

Trichromacy



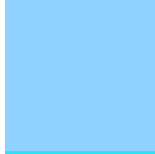
Original Color

61.7742, 0.2184, 0.2911



Protanomaly

59.1104, 0.2495, 0.2877



Deuteranomaly

59.1528, 0.2440, 0.2753



Tritanomaly

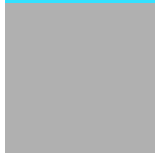
61.7677, 0.2198, 0.2995

Monochromacy



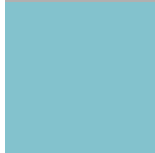
Original Color

61.7742, 0.2184, 0.2911



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.8166, 0.2603, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7742, 0.2184, 0.2911 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(51, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 225, 255)  
}
```

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(51, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.7742, 0.2184, 0.2911 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(51, 225, 255) }
```

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

```
.border{ border-color:rgb(51, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 225, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 225, 255); box-shadow:4px 4px 4px 4px rgb(51, 225, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7742, 0.2184, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 225, 255) }
```

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

```
.background{ background-color: rgb(51, 225,  
255) }
```

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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