

Converting Colors

$Yxy(62.7274, 0.2190, 0.2934)$

Have a look what the booklet for
Yxy(62.7274, 0.2190, 0.2934)
contains.

Yxy(62.8620, 0.2191, 0.2937)	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(62.8620, 0.2191, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	33E3FF
RGB	51, 227, 255
RGB Percent	20%, 89%, 100%
CMY	0.7989, 0.1098, 0.0000
CMYK	0.80, 0.11, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	46.8950, 62.8620, 104.2777
YIQ	177.5680, -113.8840, -28.6040

Conversions

Conversions Part 2

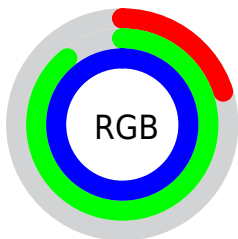
Format	Color
RYB	51, 145, 255
Decimal	3400703
CIELab	83.37, -33.22, -25.81
CIELCh	83, 42.073, 217.844
Yxy	62.8620, 0.2191, 0.2937
Android (android.graphics.Color)	4281590783 (0xFF33E3FF)
YUV	177.5680, 38.1740, -111.0001
Hunter-Lab	79.2856, -33.1724, -22.4793

Details

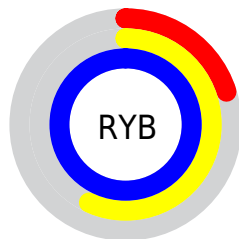
The Yxy color **62.8620, 0.2191, 0.2937** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.1339, 0.5737, 0.3486**, and the grayscale version is **44.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **33.2030, 0.2125, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **60.4710, 0.2149, 0.2888**, and if you desaturate by 10%, it is **65.6583, 0.2253, 0.2986**.

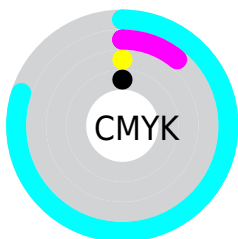
Distribution



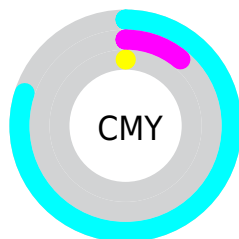
- Red (20%)
- Green (89%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8620, 0.2191, 0.2937 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 62.8620, 0.2191, 0.2937 by changing the saturation by 10% instead.


 62.8620, 0.2191,
0.2937

 62.8620, 0.2191,
0.2937

435.0685, 0.2616,
0.3118

 45.7296, 0.2097,
0.2892


 108.9704, 0.2336,
0.3003

 32.0325, 0.1983,
0.2834


 138.7152, 0.2393,
0.3028

 21.3863, 0.1842,
0.2759


 173.4328, 0.2443,
0.3049

 13.4067, 0.1664,
0.2657

 213.5078, 0.2486,
0.3067

 7.7092, 0.1435,
0.2512

259.3244, 0.2525,
0.3082

 3.9094, 0.1134,
0.2295

311.2672, 0.2559,

 1.6230, 0.0718,

0.3096

369.7204, 0.2589,
0.3108

0.1955

0.3730, 0.0000,
0.1166

0.0000, 0.0000,
0.0000

62.8620, 0.2191,
0.2937

62.8620, 0.2191,
0.2937

60.4710, 0.2149,
0.2888

65.6583, 0.2253,
0.2986

58.3967, 0.2122,
0.2840

68.9073, 0.2334,
0.3035

58.3755, 0.2122,
0.2840

72.6542, 0.2434,
0.3084

76.9373, 0.2551,
0.3130

81.7908, 0.2682,
0.3175

87.2461, 0.2824,
0.3216

93.3318, 0.2974,
0.3255

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.



62.8620, 0.2410, 0.3447



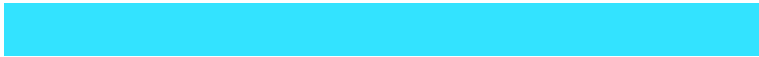
62.8620, 0.2191, 0.2937



62.8620, 0.2197, 0.2589

Triad

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



62.8620, 0.2191, 0.2937



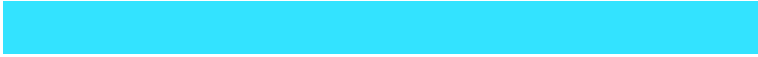
62.8620, 0.3377, 0.2736



62.8620, 0.3828, 0.4194

Complementary

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



62.8620, 0.2191, 0.2937



27.1339, 0.5737, 0.3486

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.



62.8620, 0.4137, 0.3903



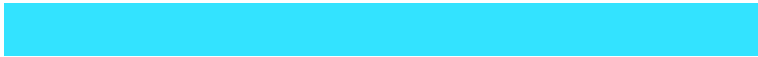
62.8620, 0.2191, 0.2937



62.8620, 0.3877, 0.3088

Square

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



62.8620, 0.2191, 0.2937



62.8620, 0.2842, 0.2509



62.8620, 0.4164, 0.3501



62.8620, 0.3344, 0.4239

Rectangle

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



62.8620, 0.2191, 0.2937



62.8620, 0.2325, 0.2473



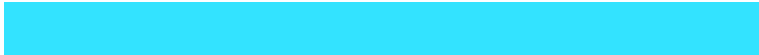
62.8620, 0.4164, 0.3501



62.8620, 0.3957, 0.4117

Sweetspot

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



62.8636, 0.2191, 0.2937



84.9314, 0.2764, 0.3200



72.7872, 0.2950, 0.5572



17.7670, 0.2714, 0.3185



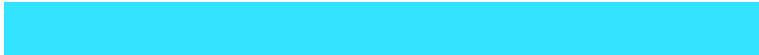
0.0000, 0.0000, 0.0000



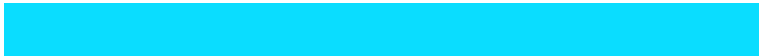
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8636, 0.2191, 0.2937



59.1803, 0.2132, 0.2859



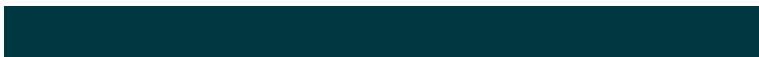
22.8452, 0.1825, 0.1551



20.0304, 0.2980, 0.3256



30.6669, 0.2124, 0.2848



3.0983, 0.2140, 0.2903

Inverse Universe

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



29.1969, 0.3501, 0.1815



26.7202, 0.3580, 0.1757



54.2649, 0.4731, 0.4410



18.2549, 0.3159, 0.3087



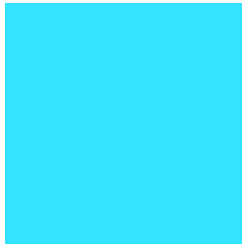
13.8238, 0.3591, 0.1752



1.3573, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 62.8620, 0.2191, 0.2937 looks on a white background.

Color Contrast Check

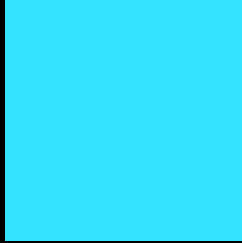
Large Text (above 18pt) WCAG AA × Fail

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 62.8620, 0.2191, 0.2937 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 62.8620, 0.2191, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 62.8620, 0.2191, 0.2937.

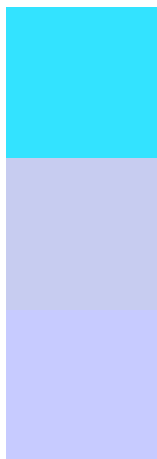


This preview shows how white text looks on a background with the Yxy color 62.8620, 0.2191, 0.2937.

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

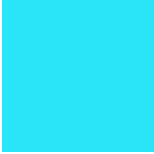
62.8620, 0.2191, 0.2937

Protanopia

61.6191, 0.2850, 0.2885

Deuteranopia

62.0740, 0.2758, 0.2719



Tritanopia

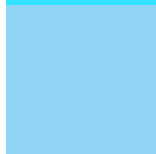
62.6944, 0.2209, 0.3045

Trichromacy



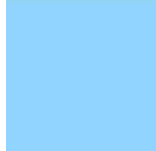
Original Color

62.8620, 0.2191, 0.2937



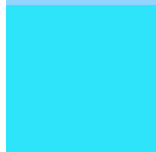
Protanomaly

59.6993, 0.2503, 0.2890



Deuteranomaly

60.3267, 0.2454, 0.2780



Tritanomaly

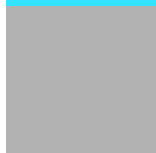
62.9468, 0.2203, 0.3009

Monochromacy



Original Color

62.8620, 0.2191, 0.2937



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.8416, 0.2607, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8620, 0.2191, 0.2937 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.8620, 0.2191, 0.2937 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, 227, 255) }
```

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

```
.border{ border-color:rgb(51, 227, 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, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8620, 0.2191, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 227, 255) }
```

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

```
.background{ background-color: rgb(51, 227,  
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](#).

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