

Converting Colors

$Yxy(65.5017, 0.2207, 0.2999)$

Have a look what the booklet for
Yxy(65.5017, 0.2207, 0.2999)
contains.

Yxy(65.6370, 0.2208, 0.3002)	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(65.6370, 0.2208, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	33E8FF
RGB	51, 232, 255
RGB Percent	20%, 91%, 100%
CMY	0.7994, 0.0902, 0.0000
CMYK	0.80, 0.09, 0.00, 0.00
HSL	187°, 100%, 60%
HSV	187°, 80%, 100%
XYZ	48.2766, 65.6370, 104.7306
YIQ	180.5030, -115.2590, -31.2190

Conversions

Conversions Part 2

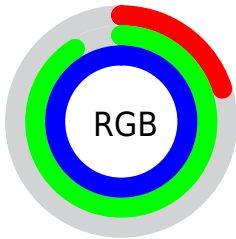
Format	Color
RYB	51, 147, 255
Decimal	3401983
CIELab	84.81, -35.59, -23.61
CIElCh	85, 42.714, 213.560
Yxy	65.6370, 0.2208, 0.3002
Android (android.graphics.Color)	4281592063 (0xFF33E8FF)
YUV	180.5030, 36.7270, -113.5741
Hunter-Lab	81.0167, -35.4136, -19.9328

Details

The Yxy color **65.6370, 0.2208, 0.3002** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.4188, 0.5781, 0.3447**, and the grayscale version is **45.7963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **35.1279, 0.2149, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **63.5399, 0.2169, 0.2963**, and if you desaturate by 10%, it is **68.1283, 0.2266, 0.3042**.

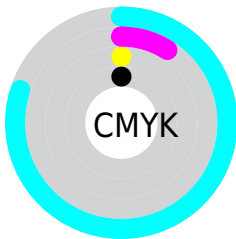
Distribution



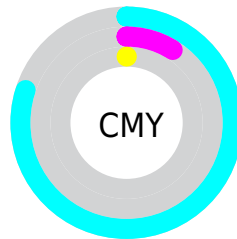
- Red (20%)
- Green (91%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6370, 0.2208, 0.3002 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 65.6370, 0.2208, 0.3002 by changing the saturation by 10% instead.


 65.6370, 0.2208,
0.3002


 65.6370, 0.2208,
0.3002


445.0775, 0.2623,
0.3152

 47.9778, 0.2117,
0.2964


 112.9652, 0.2349,
0.3057

 33.8093, 0.2006,
0.2916


 143.4029, 0.2405,
0.3077

 22.7471, 0.1869,
0.2852


 178.8690, 0.2454,
0.3095

 14.4069, 0.1696,
0.2765

 219.7477, 0.2496,
0.3110

 8.4042, 0.1475,
0.2641

266.4236, 0.2534,
0.3122

 4.3547, 0.1183,
0.2453

319.2809, 0.2567,

 1.8739, 0.0791,

0.3133

0.2151

378.7041, 0.2597,
0.3143

■ 0.5326, 0.0000,
0.1567

■ 0.0000, 0.0000,
0.0000

■ 65.6370, 0.2208,
0.3002

■ 65.6370, 0.2208,
0.3002

■ 63.5399, 0.2169,
0.2963

■ 68.1283, 0.2266,
0.3042

■ 61.7455, 0.2146,
0.2924

■ 71.0585, 0.2344,
0.3082

■ 61.7350, 0.2145,
0.2923

■ 74.4739, 0.2441,
0.3121

■ 78.4123, 0.2555,
0.3159

■ 82.9081, 0.2684,
0.3195

■ 87.9925, 0.2824,
0.3229

■ 93.6941, 0.2973,
0.3261

■ 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



65.6370, 0.2458, 0.3525



65.6370, 0.2208, 0.3002



65.6370, 0.2182, 0.2626

Triad

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



65.6370, 0.2208, 0.3002



65.6370, 0.3299, 0.2695



65.6370, 0.3886, 0.4164

Complementary

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



65.6370, 0.2208, 0.3002



26.4188, 0.5781, 0.3447

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.



65.6370, 0.4161, 0.3850



65.6370, 0.2208, 0.3002



65.6370, 0.3816, 0.3032

Square

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



65.6370, 0.2208, 0.3002



65.6370, 0.2772, 0.2489



65.6370, 0.4142, 0.3441



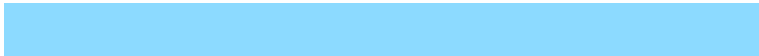
65.6370, 0.3418, 0.4253

Rectangle

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



65.6370, 0.2208, 0.3002



65.6370, 0.2289, 0.2490



65.6370, 0.4142, 0.3441



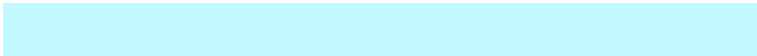
65.6370, 0.4005, 0.4078

Sweetspot

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



65.6394, 0.2208, 0.3002



85.8556, 0.2766, 0.3216



72.6892, 0.2967, 0.5633



17.9928, 0.2716, 0.3203



0.0000, 0.0000, 0.0000



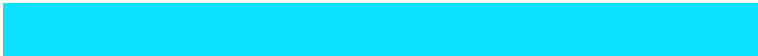
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6394, 0.2208, 0.3002



62.4301, 0.2154, 0.2939



24.6188, 0.1848, 0.1638



20.1107, 0.2980, 0.3262



32.3981, 0.2147, 0.2930



3.2499, 0.2160, 0.2975

Inverse Universe

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



29.4671, 0.3444, 0.1781



27.0483, 0.3508, 0.1717



51.5647, 0.4798, 0.4350



18.2630, 0.3155, 0.3082



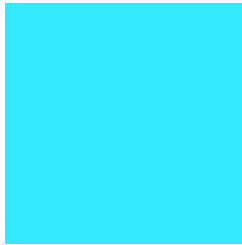
13.9986, 0.3516, 0.1711



1.3726, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 65.6370, 0.2208, 0.3002 looks on a white background.

Color Contrast Check

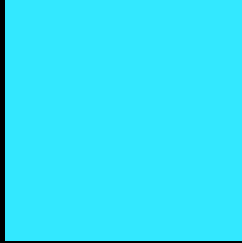
Large Text (above 18pt) WCAG AA × Fail

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 65.6370, 0.2208, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

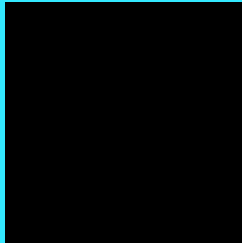
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

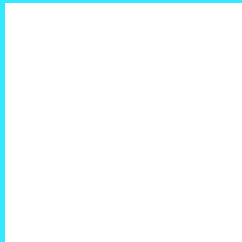
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6370, 0.2208, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 65.6370, 0.2208, 0.3002.

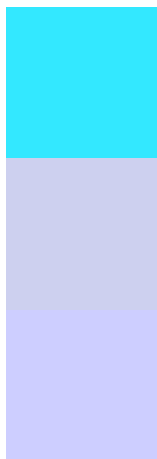


This preview shows how white text looks on a background with the Yxy color 65.6370, 0.2208, 0.3002.

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

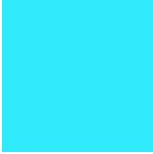
65.6370, 0.2208, 0.3002

Protanopia

64.3229, 0.2899, 0.2946

Deuteranopia

64.3417, 0.2800, 0.2759



Tritanopia

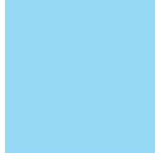
65.8712, 0.2221, 0.3062

Trichromacy



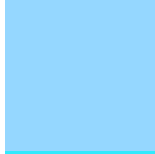
Original Color

65.6370, 0.2208, 0.3002



Protanomaly

62.6078, 0.2533, 0.2954



Deuteranomaly

62.2104, 0.2481, 0.2819



Tritanomaly

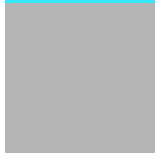
65.9591, 0.2219, 0.3050

Monochromacy



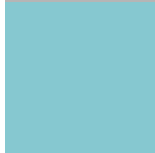
Original Color

65.6370, 0.2208, 0.3002



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.9310, 0.2615, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6370, 0.2208, 0.3002 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.6370, 0.2208, 0.3002 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, 232, 255) }
```

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

```
.border{ border-color:rgb(51, 232, 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, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6370, 0.2208, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 232, 255) }
```

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

```
.background{ background-color: rgb(51, 232,  
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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