

Converting Colors

$Yxy(61.4112, 0.2294, 0.2863)$

Have a look what the booklet for
Yxy(61.4112, 0.2294, 0.2863)
contains.

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Color

Yxy(61.2312, 0.2293, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	66DCFF
RGB	102, 220, 255
RGB Percent	40%, 86%, 100%
CMY	0.6005, 0.1372, 0.0000
CMYK	0.60, 0.14, 0.00, 0.00
HSL	194°, 100%, 70%
HSV	194°, 60%, 100%
XYZ	49.1092, 61.2312, 103.8296
YIQ	188.7080, -81.5630, -14.1310

Conversions

Conversions Part 2

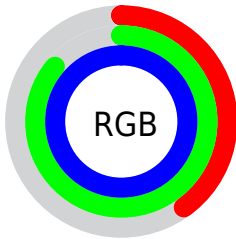
Format	Color
R _Y B	102, 169, 255
Decimal	6741247
CIE Lab	82.50, -23.37, -27.02
CIE LCh	83, 35.725, 229.153
Yxy	61.2312, 0.2293, 0.2859
Android (android.graphics.Color)	4284931327 (0xFF66DCFF)
YUV	188.7080, 32.6820, -76.0429
Hunter-Lab	78.2504, -24.9133, -23.8960

Details

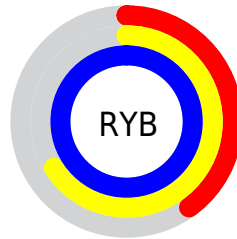
The Yxy color **61.2312, 0.2293, 0.2859** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.0589, 0.4773, 0.3638**, and the grayscale version is **50.5400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.0656, 0.2106, 0.2748** is the 20% darker color. If you saturate the color by 10%, you get **56.9640, 0.2199, 0.2774**, and if you desaturate by 10%, it is **66.0672, 0.2405, 0.2942**.

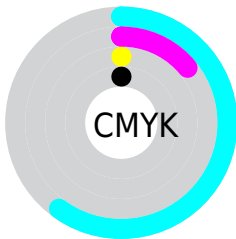
Distribution



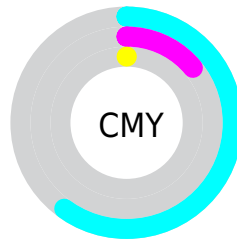
- Red (40%)
- Green (86%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2312, 0.2293, 0.2859 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 61.2312, 0.2293, 0.2859 by changing the saturation by 10% instead.


 61.2312, 0.2293,
0.2859

 61.2312, 0.2293,
0.2859


429.1212, 0.2676,
0.3073


 44.4118, 0.2207,
0.2807


 106.6136, 0.2425,
0.2936

 30.9944, 0.2103,
0.2742


 135.9454, 0.2476,
0.2965

 20.5946, 0.1973,
0.2658


 170.2168, 0.2521,
0.2989

 12.8280, 0.1807,
0.2545

209.8121, 0.2560,
0.3011

 7.3102, 0.1590,
0.2388

255.1159, 0.2594,
0.3029

 3.6568, 0.1300,
0.2157

306.5124, 0.2624,

 1.4835, 0.0904,

0.3046

0.1800

364.3860, 0.2651,
0.3060

0.2771, 0.0000,
0.0905

0.0000, 0.0000,
0.0000

61.2312, 0.2293,
0.2859

61.2312, 0.2293,
0.2859

56.9640, 0.2199,
0.2774

66.0672, 0.2405,
0.2942

53.2141, 0.2125,
0.2689

71.5043, 0.2532,
0.3021

49.9307, 0.2070,
0.2603

77.5800, 0.2671,
0.3096

47.0421, 0.2033,
0.2520

84.3262, 0.2818,
0.3167

■ 91.7727, 0.2971,
0.3231

99.9473, 0.3126,
0.3290

99.9994, 0.3127,
0.3290

Harmonies

Analogous

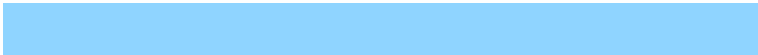
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2312, 0.2414, 0.3256



61.2312, 0.2293, 0.2859



61.2312, 0.2373, 0.2619

Triad

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



61.2312, 0.2293, 0.2859



61.2312, 0.3517, 0.2916



61.2312, 0.3590, 0.4108

Complementary

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



61.2312, 0.2293, 0.2859



40.0589, 0.4773, 0.3638

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.



61.2312, 0.3922, 0.3937



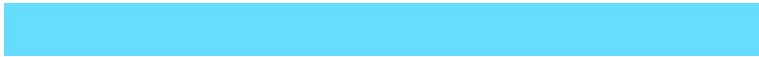
61.2312, 0.2293, 0.2859



61.2312, 0.3889, 0.3253

Square

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



61.2312, 0.2293, 0.2859



61.2312, 0.3053, 0.2669



61.2312, 0.4039, 0.3619



61.2312, 0.3148, 0.4034

Rectangle

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



61.2312, 0.2293, 0.2859



61.2312, 0.2532, 0.2560



61.2312, 0.4039, 0.3619



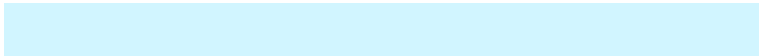
61.2312, 0.3719, 0.4074

Sweetspot

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



61.2335, 0.2293, 0.2859



85.8032, 0.2849, 0.3180



76.0815, 0.2906, 0.4849



17.9211, 0.2806, 0.3161



0.0000, 0.0000, 0.0000



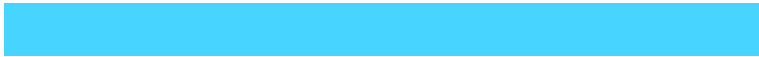
21.4041, 0.3127, 0.3290

Same Dimension

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



61.2335, 0.2293, 0.2859



56.1988, 0.2183, 0.2758



30.3632, 0.2070, 0.1866



19.7365, 0.2980, 0.3234



24.8189, 0.2037, 0.2534



2.5800, 0.2064, 0.2630

Inverse Universe

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



35.9025, 0.3540, 0.2158



30.6252, 0.3650, 0.2013



69.1045, 0.4231, 0.4359



18.2252, 0.3173, 0.3108



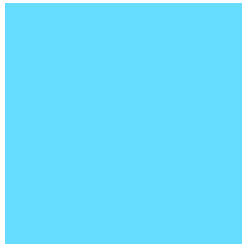
13.2334, 0.3889, 0.1916



1.3050, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 61.2312, 0.2293, 0.2859 looks on a white background.

Color Contrast Check

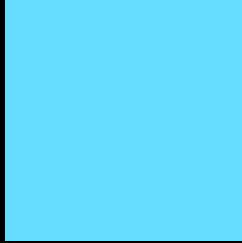
Large Text (above 18pt) WCAG AA × Fail

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 61.2312, 0.2293, 0.2859 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 61.2312, 0.2293, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 61.2312, 0.2293, 0.2859.



This preview shows how white text looks on a background with the Yxy color 61.2312, 0.2293, 0.2859.

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

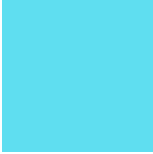
61.2312, 0.2293, 0.2859

Protanopia

60.4479, 0.2809, 0.2827

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

60.9667, 0.2337, 0.3059

Trichromacy



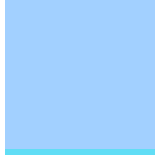
Original Color

61.2312, 0.2293, 0.2859



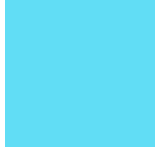
Protanomaly

59.9977, 0.2580, 0.2841



Deuteranomaly

60.0131, 0.2537, 0.2743



Tritanomaly

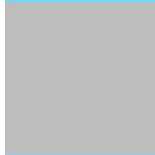
60.8469, 0.2320, 0.2986

Monochromacy



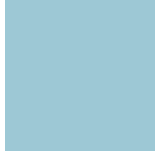
Original Color

61.2312, 0.2293, 0.2859



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.2807, 0.2729, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2312, 0.2293, 0.2859 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(102, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 220, 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(102, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.2312, 0.2293, 0.2859 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(102, 220, 255) }
```

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

```
.border{ border-color:rgb(102, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2312, 0.2293, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 220, 255) }
```

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

```
.background{ background-color: rgb(102,  
220, 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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