

Converting Colors

$Y_{xy}(69.1215, 0.2065, 0.2219)$

Have a look what the booklet for
Yxy(69.1215, 0.2065, 0.2219)
contains.

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Color

Yxy(63.3561, 0.2305, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	66E0FF
RGB	102, 224, 255
RGB Percent	40%, 88%, 100%
CMY	0.5999, 0.1216, 0.0001
CMYK	0.60, 0.12, 0.00, 0.00
HSL	192°, 100%, 70%
HSV	192°, 60%, 100%
XYZ	50.1841, 63.3561, 104.1783
YIQ	191.0560, -82.6630, -16.2230

Conversions

Conversions Part 2

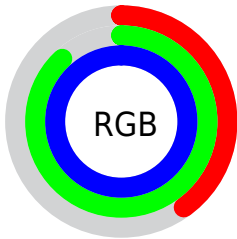
Format	Color
RYB	102, 170, 255
Decimal	6742271
CIELab	83.63, -25.31, -25.30
CIELCh	84, 35.792, 224.986
Yxy	63.3561, 0.2305, 0.2910
Android (android.graphics.Color)	4284932351 (0xFF66E0FF)
YUV	191.0560, 31.5244, -78.1021
Hunter-Lab	79.5965, -26.7531, -21.8829

Details

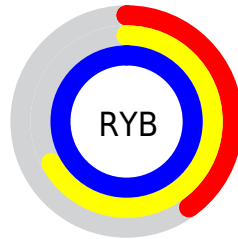
The Yxy color **63.3561, 0.2305, 0.2910** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **38.9925, 0.4800, 0.3598**, and the grayscale version is **51.9879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **32.5112, 0.2122, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **59.3563, 0.2215, 0.2836**, and if you desaturate by 10%, it is **67.9029, 0.2413, 0.2983**.

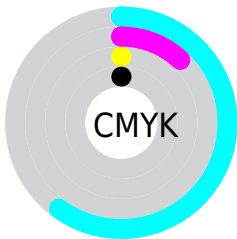
Distribution



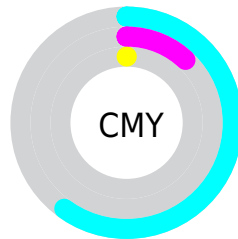
- Red (40%)
- Green (88%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3561, 0.2305, 0.2910 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 63.3561, 0.2305, 0.2910 by changing the saturation by 10% instead.


 63.3561, 0.2305,
0.2910


 63.3561, 0.2305,
0.2910


436.8607, 0.2680,
0.3099


 46.1294, 0.2221,
0.2864

 109.6831, 0.2434,
0.2978

 32.3479, 0.2119,
0.2806


 139.5521, 0.2484,
0.3004

 21.6274, 0.1992,
0.2731


 174.4040, 0.2528,
0.3026

 13.5834, 0.1831,
0.2629

214.6232, 0.2566,
0.3045

 7.8315, 0.1620,
0.2488

260.5941, 0.2600,
0.3061

 3.9873, 0.1338,
0.2278

312.7010, 0.2630,

 1.6665, 0.0955,

0.3075

0.1949

371.3284, 0.2656,
0.3088

0.4018, 0.0000,
0.1249

0.0000, 0.0000,
0.0000

63.3561, 0.2305,
0.2910

63.3561, 0.2305,
0.2910

59.3563, 0.2215,
0.2836

67.9029, 0.2413,
0.2983

55.8522, 0.2144,
0.2761

73.0284, 0.2538,
0.3053

52.7936, 0.2093,
0.2686

78.7698, 0.2674,
0.3119

50.0947, 0.2059,
0.2612

85.1589, 0.2820,
0.3181

■ 50.0921, 0.2059,
0.2612

■ 92.2249, 0.2972,
0.3238

99.9932, 0.3127,
0.3290

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



63.3561, 0.2452, 0.3319



63.3561, 0.2305, 0.2910



63.3561, 0.2357, 0.2647

Triad

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



63.3561, 0.2305, 0.2910



63.3561, 0.3451, 0.2879



63.3561, 0.3641, 0.4090

Complementary

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



63.3561, 0.2305, 0.2910



38.9925, 0.4800, 0.3598

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.



63.3561, 0.3946, 0.3894



63.3561, 0.2305, 0.2910



63.3561, 0.3842, 0.3204

Square

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



63.3561, 0.2305, 0.2910



63.3561, 0.2991, 0.2650



63.3561, 0.4026, 0.3567



63.3561, 0.3211, 0.4053

Rectangle

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



63.3561, 0.2305, 0.2910



63.3561, 0.2498, 0.2572



63.3561, 0.4026, 0.3567



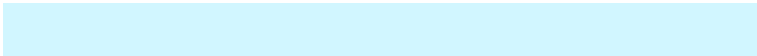
63.3561, 0.3762, 0.4046

Sweetspot

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



63.3584, 0.2305, 0.2910



86.5211, 0.2850, 0.3193



76.0195, 0.2917, 0.4880



18.0980, 0.2807, 0.3175



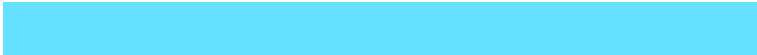
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.3584, 0.2305, 0.2910



58.6210, 0.2199, 0.2821



31.1965, 0.2078, 0.1901



19.8197, 0.2980, 0.3241



26.3964, 0.2062, 0.2625



2.7209, 0.2086, 0.2709

Inverse Universe

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



36.1460, 0.3498, 0.2127



30.8697, 0.3594, 0.1976



67.8650, 0.4247, 0.4337



18.2336, 0.3169, 0.3102



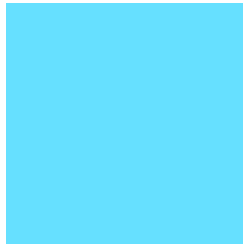
13.3927, 0.3800, 0.1867



1.3192, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 63.3561, 0.2305, 0.2910 looks on a white background.

Color Contrast Check

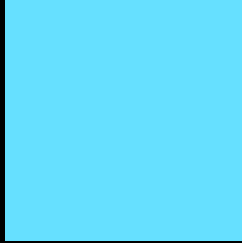
Large Text (above 18pt) WCAG AA × Fail

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 63.3561, 0.2305, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

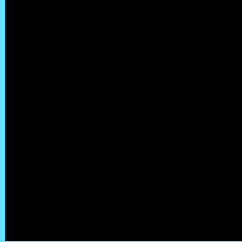
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3561, 0.2305, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 63.3561, 0.2305, 0.2910.

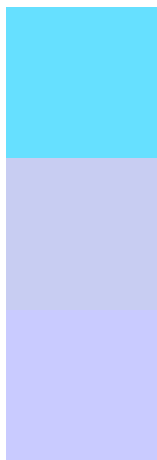


This preview shows how white text looks on a background with the Yxy color 63.3561, 0.2305, 0.2910.

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

63.3561, 0.2305, 0.2910

Protanopia

62.3528, 0.2845, 0.2876

Deuteranopia

62.3494, 0.2771, 0.2721



Tritanopia

63.4658, 0.2339, 0.3063

Trichromacy



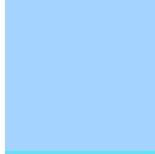
Original Color

63.3561, 0.2305, 0.2910



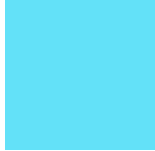
Protanomaly

61.6949, 0.2596, 0.2879



Deuteranomaly

61.8079, 0.2559, 0.2782



Tritanomaly

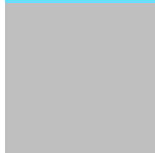
63.2804, 0.2326, 0.3003

Monochromacy



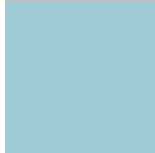
Original Color

63.3561, 0.2305, 0.2910



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.9378, 0.2740, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3561, 0.2305, 0.2910 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.3561, 0.2305, 0.2910 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, 224, 255) }
```

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

```
.border{ border-color:rgb(102, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3561, 0.2305, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 224, 255) }
```

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

```
.background{ background-color: rgb(102,  
224, 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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