

Converting Colors

$Y_{xy}(58.8816, 0.2205, 0.2720)$

Have a look what the booklet for
Yxy(58.8816, 0.2205, 0.2720)
contains.

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Color

Yxy(58.3102, 0.2231, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	56D8FF
RGB	86, 216, 255
RGB Percent	34%, 85%, 100%
CMY	0.6627, 0.1529, 0.0000
CMYK	0.66, 0.15, 0.00, 0.00
HSL	194°, 100%, 67%
HSV	194°, 66%, 100%
XYZ	46.4441, 58.3102, 103.4220
YIQ	181.5760, -89.9990, -15.4310

Conversions

Conversions Part 2

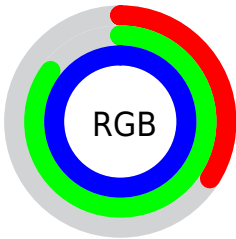
Format	Color
R _Y B	86, 159, 255
Decimal	5691647
CIE Lab	80.91, -23.90, -29.51
CIE LCh	81, 37.973, 231.001
Yxy	58.3102, 0.2231, 0.2801
Android (android.graphics.Color)	4283881727 (0xFF56D8FF)
YUV	181.5760, 36.1980, -83.8202
Hunter-Lab	76.3611, -25.0652, -26.8484

Details

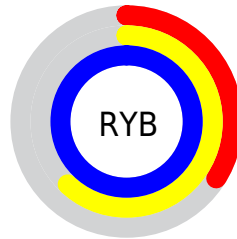
The Yxy color **58.3102, 0.2231, 0.2801** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.5988, 0.5022, 0.3657**, and the grayscale version is **46.3740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **29.5670, 0.2077, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **54.3481, 0.2149, 0.2715**, and if you desaturate by 10%, it is **62.8147, 0.2332, 0.2886**.

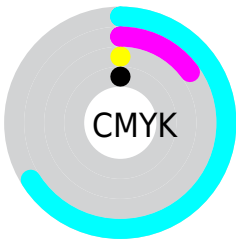
Distribution



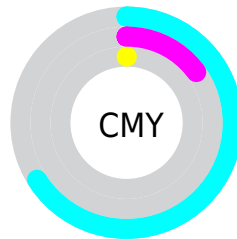
- Red (34%)
- Green (85%)
- Blue (100%)



- Red (34%)
- Yellow (62%)
- Blue (100%)



- Cyan (66%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3102, 0.2231, 0.2801 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 58.3102, 0.2231, 0.2801 by changing the saturation by 10% instead.

 58.3102, 0.2231,
0.2801


 58.3102, 0.2231,
0.2801


418.3408, 0.2644,
0.3045


 42.0581, 0.2139,
0.2742

 102.3744, 0.2373,
0.2888


 29.1468, 0.2026,
0.2667


 130.9554, 0.2429,
0.2922

 19.1919, 0.1885,
0.2571


 164.4147, 0.2477,
0.2950

 11.8090, 0.1707,
0.2442

 203.1367, 0.2519,
0.2974

 6.6138, 0.1474,
0.2262

247.5060, 0.2556,
0.2995

 3.2217, 0.1167,
0.2001

297.9068, 0.2588,

 1.2486, 0.0727,

0.3014

0.1608

354.7237, 0.2618,
0.3030

■ 0.1008, 0.0000,
0.0354

■ 0.0000, 0.0000,
0.0000

■ 58.3102, 0.2231,
0.2801

■ 58.3102, 0.2231,
0.2801

■ 54.3481, 0.2149,
0.2715

■ 62.8147, 0.2332,
0.2886

■ 50.8746, 0.2087,
0.2628

■ 67.8996, 0.2451,
0.2969

■ 47.8297, 0.2044,
0.2543

■ 73.6037, 0.2583,
0.3048

■ 46.7710, 0.2031,
0.2511

■ 79.9611, 0.2726,
0.3122

■ 87.0029, 0.2876,
0.3191

■ 94.7581, 0.3030,
0.3254

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.



58.3102, 0.2346, 0.3220



58.3102, 0.2231, 0.2801



58.3102, 0.2329, 0.2558

Triad

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



58.3102, 0.2231, 0.2801



58.3102, 0.3577, 0.2908



58.3102, 0.3596, 0.4179

Complementary

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



58.3102, 0.2231, 0.2801



36.5988, 0.5022, 0.3657

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.



58.3102, 0.3967, 0.4001



58.3102, 0.2231, 0.2801



58.3102, 0.3969, 0.3271

Square

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



58.3102, 0.2231, 0.2801



58.3102, 0.3076, 0.2637



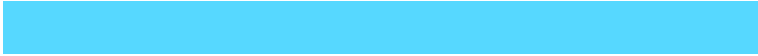
58.3102, 0.4113, 0.3662



58.3102, 0.3116, 0.4085

Rectangle

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



58.3102, 0.2231, 0.2801



58.3102, 0.2506, 0.2504



58.3102, 0.4113, 0.3662



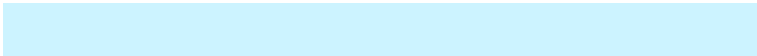
58.3102, 0.3738, 0.4145

Sweetspot

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



58.3117, 0.2231, 0.2801



84.2972, 0.2819, 0.3166



74.9190, 0.2898, 0.5033



17.6200, 0.2777, 0.3146



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.



58.3117, 0.2231, 0.2801



52.9995, 0.2123, 0.2682



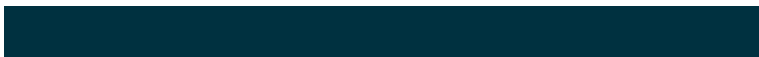
26.2168, 0.1965, 0.1695



19.7288, 0.2980, 0.3234



24.6768, 0.2035, 0.2526



2.5672, 0.2062, 0.2623

Inverse Universe

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



32.8738, 0.3602, 0.2079



28.1781, 0.3731, 0.1954



66.6143, 0.4348, 0.4438



18.2244, 0.3174, 0.3109



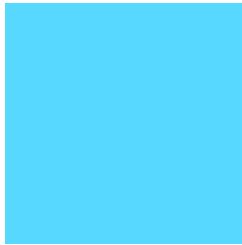
13.2191, 0.3897, 0.1920



1.3037, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 58.3102, 0.2231, 0.2801 looks on a white background.

Color Contrast Check

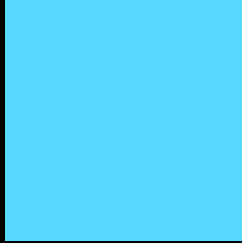
Large Text (above 18pt) WCAG AA × Fail

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 58.3102, 0.2231, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

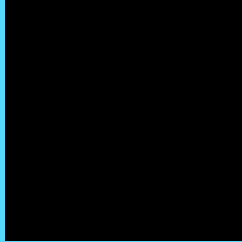
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3102, 0.2231, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 58.3102, 0.2231, 0.2801.



This preview shows how white text looks on a background with the Yxy color 58.3102, 0.2231, 0.2801.

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

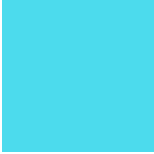
58.3102, 0.2231, 0.2801

Protanopia

57.7461, 0.2771, 0.2785

Deuteranopia

57.3912, 0.2678, 0.2626



Tritanopia

58.3140, 0.2283, 0.3053

Trichromacy



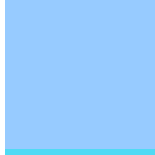
Original Color

58.3102, 0.2231, 0.2801



Protanomaly

57.0534, 0.2517, 0.2784



Deuteranomaly

56.5112, 0.2467, 0.2673



Tritanomaly

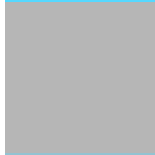
58.3799, 0.2263, 0.2955

Monochromacy



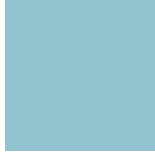
Original Color

58.3102, 0.2231, 0.2801



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.3901, 0.2680, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3102, 0.2231, 0.2801 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(86, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 216, 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(86, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3102, 0.2231, 0.2801 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(86, 216, 255) }
```

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

```
.border{ border-color:rgb(86, 216, 255) }
```

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

Here you see how a box with a 4 pixel rgb(86, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3102, 0.2231, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 216, 255) }
```

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

```
.background{ background-color: rgb(86, 216,  
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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