

Converting Colors

$Yxy(58.8436, 0.2223, 0.2818)$

Have a look what the booklet for
Yxy(58.8436, 0.2223, 0.2818)
contains.

Yxy(58.6395, 0.2223, 0.2813)	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(58.6395, 0.2223, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	52D9FF
RGB	82, 217, 255
RGB Percent	32%, 85%, 100%
CMY	0.6785, 0.1490, 0.0000
CMYK	0.68, 0.15, 0.00, 0.00
HSL	193°, 100%, 66%
HSV	193°, 68%, 100%
XYZ	46.3404, 58.6395, 103.4790
YIQ	180.9670, -92.6580, -16.8020

Conversions

Conversions Part 2

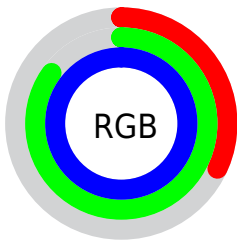
Format	Color
R _Y B	82, 158, 255
Decimal	5429759
CIE Lab	81.09, -24.98, -29.23
CIE LCh	81, 38.449, 229.491
Yxy	58.6395, 0.2223, 0.2813
Android (android.graphics.Color)	4283619839 (0xFF52D9FF)
YUV	180.9670, 36.4983, -86.7941
Hunter-Lab	76.5764, -25.9890, -26.5161

Details

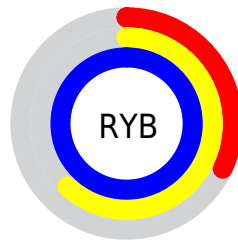
The Yxy color **58.6395, 0.2223, 0.2813** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.2963, 0.5103, 0.3640**, and the grayscale version is **46.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **54.8652, 0.2146, 0.2731**, and if you desaturate by 10%, it is **62.9404, 0.2320, 0.2894**.

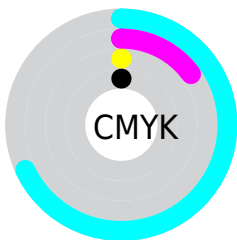
Distribution



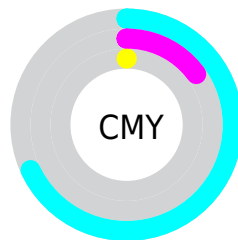
- Red (32%)
- Green (85%)
- Blue (100%)



- Red (32%)
- Yellow (62%)
- Blue (100%)



- Cyan (68%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6395, 0.2223, 0.2813 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 58.6395, 0.2223, 0.2813 by changing the saturation by 10% instead.


 58.6395, 0.2223,
0.2813

 58.6395, 0.2223,
0.2813


419.5647, 0.2639,
0.3051


 42.3230, 0.2130,
0.2755


 102.8535, 0.2366,
0.2899


 29.3543, 0.2016,
0.2682


 131.5198, 0.2422,
0.2931

 19.3490, 0.1875,
0.2587

 165.0715, 0.2470,
0.2959

 11.9227, 0.1696,
0.2460

 203.8930, 0.2513,
0.2982

 6.6911, 0.1463,
0.2283

248.3687, 0.2550,
0.3003

 3.2697, 0.1156,
0.2025

298.8829, 0.2583,

 1.2741, 0.0715,

0.3021

355.8201, 0.2612,
0.3037

0.1635

0.1210, 0.0000,
0.0421

0.0000, 0.0000,
0.0000

58.6395, 0.2223,
0.2813

58.6395, 0.2223,
0.2813

54.8652, 0.2146,
0.2731

62.9404, 0.2320,
0.2894

51.5604, 0.2088,
0.2649

67.8046, 0.2434,
0.2973

48.6598, 0.2049,
0.2569

73.2724, 0.2563,
0.3048

48.0672, 0.2042,
0.2551

79.3779, 0.2704,
0.3119

■ 86.1526, 0.2852,
0.3185

■ 93.6256, 0.3005,
0.3246

99.9997, 0.3127,
0.3290

Harmonies

Analogous

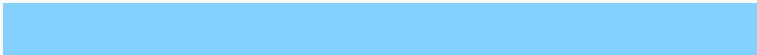
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.6395, 0.2349, 0.3243



58.6395, 0.2223, 0.2813



58.6395, 0.2311, 0.2558

Triad

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



58.6395, 0.2223, 0.2813



58.6395, 0.3557, 0.2887



58.6395, 0.3623, 0.4185

Complementary

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



58.6395, 0.2223, 0.2813



35.2963, 0.5103, 0.3640

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.



58.6395, 0.3989, 0.3993



58.6395, 0.2223, 0.2813



58.6395, 0.3964, 0.3250

Square

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



58.6395, 0.2223, 0.2813



58.6395, 0.3050, 0.2620



58.6395, 0.4123, 0.3645



58.6395, 0.3141, 0.4106

Rectangle

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



58.6395, 0.2223, 0.2813



58.6395, 0.2484, 0.2498



58.6395, 0.4123, 0.3645



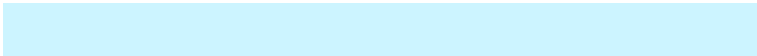
58.6395, 0.3765, 0.4146

Sweetspot

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



58.6416, 0.2223, 0.2813



84.6390, 0.2820, 0.3172



74.6539, 0.2897, 0.5078



17.7027, 0.2778, 0.3153



0.0000, 0.0000, 0.0000



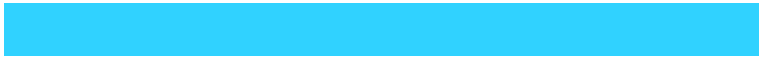
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6416, 0.2223, 0.2813



53.7769, 0.2125, 0.2705



25.2479, 0.1940, 0.1652



19.7647, 0.2980, 0.3237



25.3479, 0.2046, 0.2565



2.6273, 0.2071, 0.2657

Inverse Universe

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



32.3023, 0.3594, 0.2045



28.0463, 0.3711, 0.1931



65.9999, 0.4376, 0.4456



18.2281, 0.3172, 0.3106



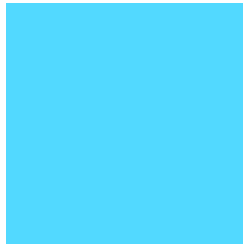
13.2868, 0.3858, 0.1899



1.3098, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 58.6395, 0.2223, 0.2813 looks on a white background.

Color Contrast Check

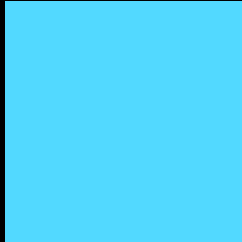
Large Text (above 18pt) WCAG AA × Fail

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 58.6395, 0.2223, 0.2813 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 58.6395, 0.2223, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 58.6395, 0.2223, 0.2813.

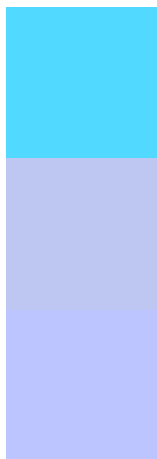


This preview shows how white text looks on a background with the Yxy color 58.6395, 0.2223, 0.2813.

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

58.6395, 0.2223, 0.2813

Protanopia

57.7461, 0.2771, 0.2785

Deuteranopia

57.8439, 0.2680, 0.2638



Tritanopia

58.7372, 0.2272, 0.3054

Trichromacy



Original Color

58.6395, 0.2223, 0.2813



Protanomaly

56.9574, 0.2511, 0.2784



Deuteranomaly

56.7953, 0.2459, 0.2683



Tritanomaly

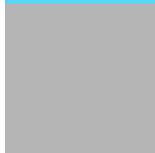
58.7312, 0.2255, 0.2967

Monochromacy



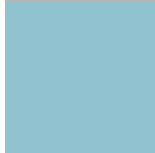
Original Color

58.6395, 0.2223, 0.2813



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.1574, 0.2673, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6395, 0.2223, 0.2813 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(82, 217, 255)` looks like.

```
.text, #text, p{  
  color:rgb(82, 217, 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(82, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.6395, 0.2223, 0.2813 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(82, 217, 255) }
```

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

```
.border{ border-color:rgb(82, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6395, 0.2223, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 217, 255) }
```

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

```
.background{ background-color: rgb(82, 217,  
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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