

Converting Colors

$Yxy(64.0508, 0.2261, 0.2741)$

Have a look what the booklet for
Yxy(64.0508, 0.2261, 0.2741)
contains.

Yxy(63.0595, 0.2316, 0.2898)	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(63.0595, 0.2316, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	6ADFFF
RGB	106, 223, 255
RGB Percent	42%, 87%, 100%
CMY	0.5838, 0.1255, 0.0000
CMYK	0.58, 0.13, 0.00, 0.00
HSL	193°, 100%, 71%
HSV	193°, 58%, 100%
XYZ	50.3954, 63.0595, 104.1417
YIQ	191.6650, -80.0040, -14.8520

Conversions

Conversions Part 2

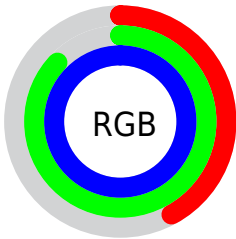
Format	Color
RYB	106, 172, 255
Decimal	7004159
CIELab	83.47, -24.08, -25.55
CIELCh	83, 35.106, 226.697
Yxy	63.0595, 0.2316, 0.2898
Android (android.graphics.Color)	4285194239 (0xFF6ADFFF)
YUV	191.6650, 31.2242, -75.1282
Hunter-Lab	79.4100, -25.6874, -22.1685

Details

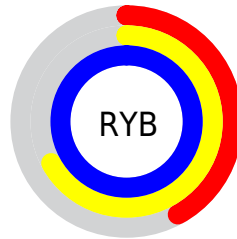
The Yxy color **63.0595, 0.2316, 0.2898** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.5224, 0.4721, 0.3612**, and the grayscale version is **52.3755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **32.2892, 0.2134, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **58.8383, 0.2221, 0.2819**, and if you desaturate by 10%, it is **67.8418, 0.2429, 0.2975**.

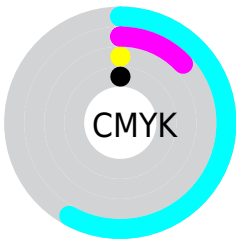
Distribution



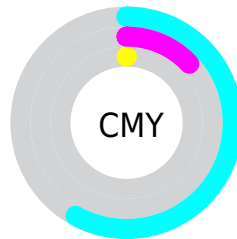
- Red (42%)
- Green (87%)
- Blue (100%)



- Red (42%)
- Yellow (67%)
- Blue (100%)



- Cyan (58%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0595, 0.2316, 0.2898 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 63.0595, 0.2316, 0.2898 by changing the saturation by 10% instead.


 63.0595, 0.2316,
0.2898

 63.0595, 0.2316,
0.2898


435.7854, 0.2687,
0.3092

 45.8893, 0.2233,
0.2851

 109.2553, 0.2443,
0.2968

 32.1585, 0.2132,
0.2792


 139.0498, 0.2493,
0.2994

 21.4826, 0.2006,
0.2715

 173.8212, 0.2536,
0.3017

 13.4772, 0.1846,
0.2611

213.9539, 0.2574,
0.3036

 7.7580, 0.1637,
0.2467

259.8322, 0.2607,
0.3053

 3.9405, 0.1356,
0.2255

311.8407, 0.2637,

 1.6403, 0.0973,

0.3068

0.1923

370.3636, 0.2663,
0.3081

0.3846, 0.0000,
0.1203

0.0000, 0.0000,
0.0000

63.0595, 0.2316,
0.2898

63.0595, 0.2316,
0.2898

58.8383, 0.2221,
0.2819

67.8418, 0.2429,
0.2975

55.1324, 0.2145,
0.2739

73.2208, 0.2557,
0.3049

51.8912, 0.2090,
0.2659

79.2318, 0.2696,
0.3119

49.0439, 0.2052,
0.2580

85.9063, 0.2844,
0.3184

■ 48.6039, 0.2047,
0.2568

■ 93.2735, 0.2997,
0.3244

100.0000, 0.3127,
0.3290

Harmonies

Analogous

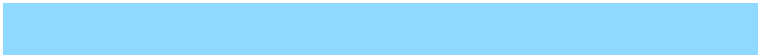
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.0595, 0.2450, 0.3293



63.0595, 0.2316, 0.2898



63.0595, 0.2378, 0.2649

Triad

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



63.0595, 0.2316, 0.2898



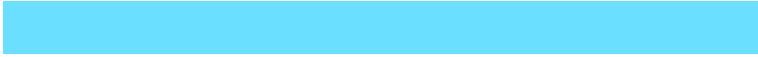
63.0595, 0.3471, 0.2902



63.0595, 0.3611, 0.4080

Complementary

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



63.0595, 0.2316, 0.2898



40.5224, 0.4721, 0.3612

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.



63.0595, 0.3920, 0.3900



63.0595, 0.2316, 0.2898



63.0595, 0.3846, 0.3226

Square

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



63.0595, 0.2316, 0.2898



63.0595, 0.3019, 0.2670



63.0595, 0.4012, 0.3583



63.0595, 0.3185, 0.4029

Rectangle

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



63.0595, 0.2316, 0.2898



63.0595, 0.2524, 0.2581



63.0595, 0.4012, 0.3583



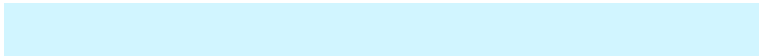
63.0595, 0.3733, 0.4042

Sweetspot

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



63.0603, 0.2316, 0.2898



86.1730, 0.2850, 0.3187



76.3672, 0.2920, 0.4831



18.0122, 0.2806, 0.3168



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.



63.0603, 0.2316, 0.2898



58.2039, 0.2207, 0.2806



32.3589, 0.2106, 0.1945



19.7794, 0.2980, 0.3238



25.6242, 0.2050, 0.2581



2.6520, 0.2075, 0.2671

Inverse Universe

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



36.9224, 0.3504, 0.2166



31.4877, 0.3604, 0.2014



68.5645, 0.4215, 0.4314



18.2295, 0.3171, 0.3105



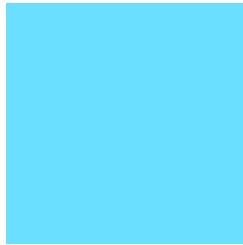
13.3147, 0.3843, 0.1891



1.3123, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 63.0595, 0.2316, 0.2898 looks on a white background.

Color Contrast Check

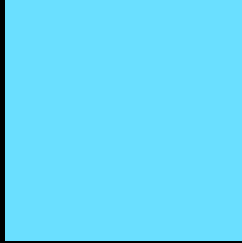
Large Text (above 18pt) WCAG AA × Fail

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 63.0595, 0.2316, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

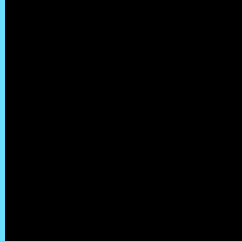
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0595, 0.2316, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 63.0595, 0.2316, 0.2898.

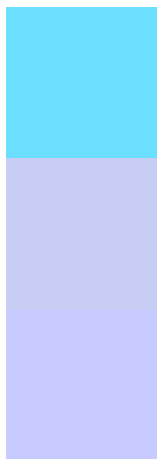


This preview shows how white text looks on a background with the Yxy color 63.0595, 0.2316, 0.2898.

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

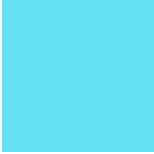
63.0595, 0.2316, 0.2898

Protanopia

62.2758, 0.2832, 0.2864

Deuteranopia

62.2112, 0.2764, 0.2720



Tritanopia

63.0882, 0.2353, 0.3063

Trichromacy



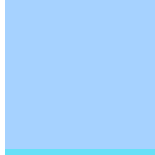
Original Color

63.0595, 0.2316, 0.2898



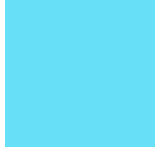
Protanomaly

61.8017, 0.2602, 0.2879



Deuteranomaly

61.4202, 0.2563, 0.2770



Tritanomaly

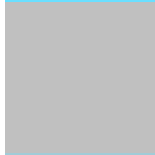
62.9103, 0.2341, 0.3003

Monochromacy



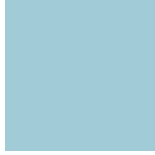
Original Color

63.0595, 0.2316, 0.2898



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.1952, 0.2747, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0595, 0.2316, 0.2898 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(106, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 223, 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(106, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.0595, 0.2316, 0.2898 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(106, 223, 255) }
```

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

```
.border{ border-color:rgb(106, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0595, 0.2316, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 223, 255) }
```

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

```
.background{ background-color: rgb(106,  
223, 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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