

Converting Colors

Yxy(63.1594, 0.2518, 0.3082)

Have a look what the booklet for
Yxy(63.1594, 0.2518, 0.3082)
contains.

Yxy(63.2043, 0.2515, 0.3080)	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(63.2043, 0.2515, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	89DDEE
RGB	137, 221, 238
RGB Percent	54%, 87%, 93%
CMY	0.4627, 0.1333, 0.0665
CMYK	0.42, 0.07, 0.00, 0.07
HSL	190°, 75%, 74%
HSV	190°, 42%, 93%
XYZ	51.6100, 63.2043, 90.3945
YIQ	197.8220, -55.5210, -12.5210

Conversions

Conversions Part 2

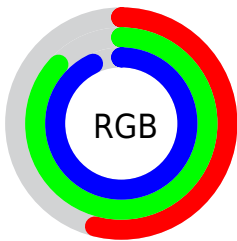
Format	Color
RYB	137, 183, 238
Decimal	9035246
CIELab	83.55, -21.18, -16.33
CIELCh	84, 26.746, 217.638
Yxy	63.2043, 0.2515, 0.3080
Android (android.graphics.Color)	4287225326 (0xFF89DDEE)
YUV	197.8220, 19.8078, -53.3409
Hunter-Lab	79.5011, -23.2496, -11.7632

Details

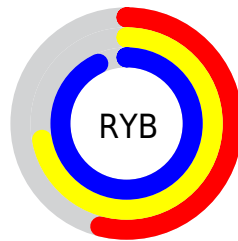
The Yxy color **63.2043, 0.2515, 0.3080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1153, 0.4149, 0.3484**, and the grayscale version is **56.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **32.3553, 0.2375, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **59.3176, 0.2399, 0.3022**, and if you desaturate by 10%, it is **67.5902, 0.2645, 0.3135**.

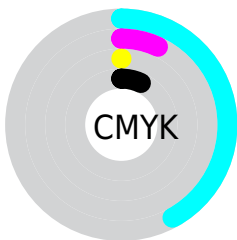
Distribution



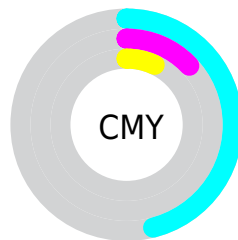
- Red (54%)
- Green (87%)
- Blue (93%)



- Red (54%)
- Yellow (72%)
- Blue (93%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)





- Cyan (46%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2043, 0.2515, 0.3080 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 63.2043, 0.2515, 0.3080 by changing the saturation by 10% instead.


 63.2043, 0.2515,
0.3080


 63.2043, 0.2515,
0.3080


436.3106, 0.2799,
0.3186

 46.0065, 0.2450,
0.3054


 109.4642, 0.2613,
0.3118

 32.2510, 0.2371,
0.3020


 139.2951, 0.2652,
0.3133

 21.5533, 0.2271,
0.2976


174.1058, 0.2685,
0.3145

 13.5290, 0.2140,
0.2916

214.2807, 0.2713,
0.3156

 7.7938, 0.1965,
0.2829

260.2043, 0.2739,
0.3165

 3.9633, 0.1720,
0.2694

312.2608, 0.2761,

 1.6531, 0.1357,

0.3173

0.2464

370.8348, 0.2781,
0.3180

0.3930, 0.0000,
0.1873

0.0000, 0.0000,
0.0000

63.2043, 0.2515,
0.3080

63.2043, 0.2515,
0.3080

59.3176, 0.2399,
0.3022

67.5902, 0.2645,
0.3135

55.8931, 0.2299,
0.2962


72.4953, 0.2787,
0.3187


52.8996, 0.2218,
0.2901


77.9469, 0.2936,
0.3236

50.2988, 0.2157,
0.2840


83.9684, 0.3089,
0.3280


 48.0442, 0.2115,
0.2779


 90.3865, 0.3238,
0.3320

 46.5159, 0.2093,
0.2734

 92.7900, 0.3234,
0.3359

 95.2463, 0.3231,
0.3397

 97.7555, 0.3228,
0.3436

 98.9551, 0.3226,
0.3453

Harmonies

Analogous

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



63.2043, 0.2667, 0.3398



63.2043, 0.2515, 0.3080



63.2043, 0.2516, 0.2845

Triad

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



63.2043, 0.2515, 0.3080



63.2043, 0.3289, 0.2925



63.2043, 0.3586, 0.3868

Complementary

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



63.2043, 0.2515, 0.3080



43.1153, 0.4149, 0.3484

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.



63.2043, 0.3773, 0.3700



63.2043, 0.2515, 0.3080



63.2043, 0.3600, 0.3164

Square

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



63.2043, 0.2515, 0.3080



63.2043, 0.2948, 0.2772



63.2043, 0.3781, 0.3442



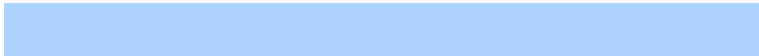
63.2043, 0.3280, 0.3877

Rectangle

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



63.2043, 0.2515, 0.3080



63.2043, 0.2603, 0.2759



63.2043, 0.3781, 0.3442



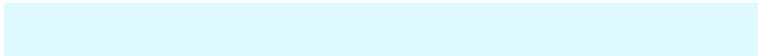
63.2043, 0.3665, 0.3827

Sweetspot

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



63.2067, 0.2515, 0.3080



90.7310, 0.2926, 0.3233



68.8166, 0.2979, 0.4387



19.1077, 0.2893, 0.3222



0.0000, 0.0000, 0.0000



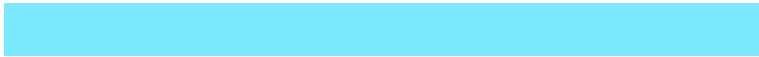
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2067, 0.2515, 0.3080



69.8938, 0.2412, 0.3029



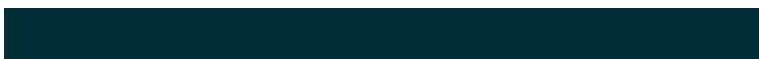
40.5007, 0.2405, 0.2420



17.4487, 0.2981, 0.3249



26.1088, 0.2095, 0.2743



2.2909, 0.2118, 0.2823

Inverse Universe

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



41.2973, 0.3331, 0.2402



41.8018, 0.3385, 0.2236



63.3465, 0.3903, 0.4023



15.9830, 0.3164, 0.3096



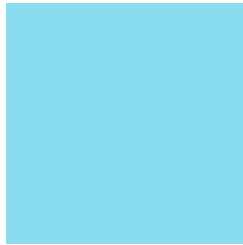
12.4291, 0.3687, 0.1805



1.0460, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 63.2043, 0.2515, 0.3080 looks on a white background.

Color Contrast Check

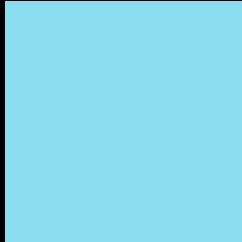
Large Text (above 18pt) WCAG AA × Fail

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 63.2043, 0.2515, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

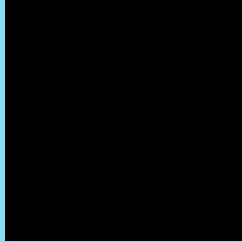
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2043, 0.2515, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 63.2043, 0.2515, 0.3080.

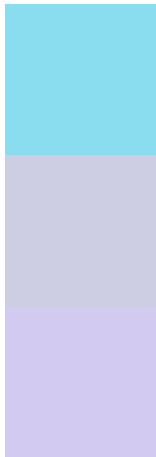


This preview shows how white text looks on a background with the Yxy color 63.2043, 0.2515, 0.3080.

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

63.2043, 0.2515, 0.3080

Protanopia

62.7232, 0.2970, 0.3041

Deuteranopia

62.5007, 0.2920, 0.2851



Tritanopia

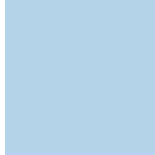
63.2633, 0.2510, 0.3069

Trichromacy



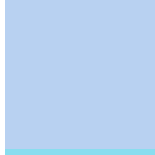
Original Color

63.2043, 0.2515, 0.3080



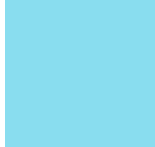
Protanomaly

62.1180, 0.2777, 0.3043



Deuteranomaly

62.1421, 0.2747, 0.2921



Tritanomaly

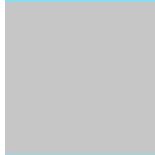
63.2633, 0.2510, 0.3069

Monochromacy



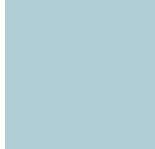
Original Color

63.2043, 0.2515, 0.3080



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.1768, 0.2863, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2043, 0.2515, 0.3080 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(137, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(137, 221, 238)  
}
```

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(137, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 221, 238) }
```

Border

The CSS property to change the border of an element to Yxy 63.2043, 0.2515, 0.3080 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(137, 221, 238) }
```

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

```
.border{ border-color:rgb(137, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 221, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 221, 238); box-shadow:4px 4px 4px 4px rgb(137, 221, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2043, 0.2515, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 221, 238) }
```

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

```
.background{ background-color: rgb(137,  
221, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor