

Converting Colors

$Y_{xy}(63.5043, 0.2219, 0.2676)$

Have a look what the booklet for
Yxy(63.5043, 0.2219, 0.2676)
contains.

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Color

Yxy(62.1719, 0.2293, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	64DEFF
RGB	100, 222, 255
RGB Percent	39%, 87%, 100%
CMY	0.6074, 0.1294, 0.0001
CMYK	0.61, 0.13, 0.00, 0.00
HSL	193°, 100%, 70%
HSV	193°, 61%, 100%
XYZ	49.4314, 62.1719, 103.9719
YIQ	189.2840, -83.3050, -15.6010

Conversions

Conversions Part 2

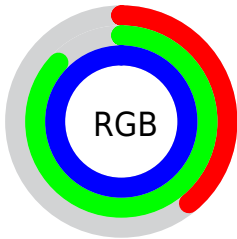
Format	Color
RYB	100, 168, 255
Decimal	6610687
CIELab	83.00, -24.65, -26.25
CIELCh	83, 36.011, 226.796
Yxy	62.1719, 0.2293, 0.2884
Android (android.graphics.Color)	4284800767 (0xFF64DEFF)
YUV	189.2840, 32.3980, -78.3021
Hunter-Lab	78.8492, -26.0824, -22.9865

Details

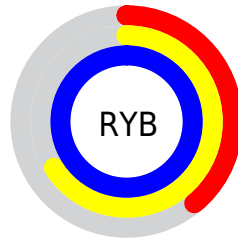
The Yxy color **62.1719, 0.2293, 0.2884** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **38.9757, 0.4818, 0.3616**, and the grayscale version is **50.9242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.1012, 0.2203, 0.2805**, and if you desaturate by 10%, it is **66.7949, 0.2402, 0.2961**.

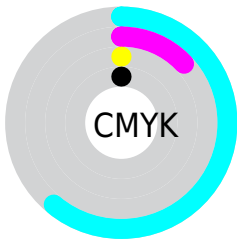
Distribution



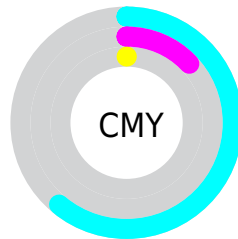
- Red (39%)
- Green (87%)
- Blue (100%)



- Red (39%)
- Yellow (66%)
- Blue (100%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1719, 0.2293, 0.2884 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 62.1719, 0.2293, 0.2884 by changing the saturation by 10% instead.


 62.1719, 0.2293,
0.2884

 62.1719, 0.2293,
0.2884


432.5578, 0.2675,
0.3086

 45.1716, 0.2208,
0.2835


 107.9739, 0.2424,
0.2957

 31.5926, 0.2104,
0.2773


 137.5445, 0.2475,
0.2984

 21.0505, 0.1974,
0.2693


 172.0739, 0.2520,
0.3007

 13.1609, 0.1810,
0.2585

211.9466, 0.2559,
0.3028

 7.5395, 0.1595,
0.2435

257.5469, 0.2593,
0.3045

 3.8017, 0.1308,
0.2214

309.2593, 0.2623,

 1.5633, 0.0916,

0.3060

0.1869

367.4682, 0.2650,
0.3074

■ 0.3326, 0.0000,
0.1063

■ 0.0000, 0.0000,
0.0000

■ 62.1719, 0.2293,
0.2884

■ 62.1719, 0.2293,
0.2884

■ 58.1012, 0.2203,
0.2805

■ 66.7949, 0.2402,
0.2961

■ 54.5311, 0.2132,
0.2726

■ 72.0026, 0.2526,
0.3035

■ 51.4103, 0.2081,
0.2647

■ 77.8324, 0.2663,
0.3105

■ 48.8409, 0.2049,
0.2575

■ 84.3165, 0.2809,
0.3171

■ 91.4844, 0.2961,
0.3231

■ 99.3638, 0.3116,
0.3286

■ 99.9977, 0.3127,
0.3290

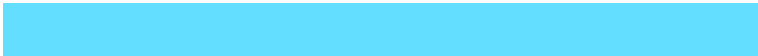
Harmonies

Analogous

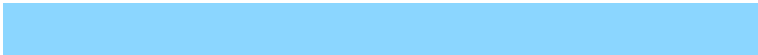
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1719, 0.2430, 0.3291



62.1719, 0.2293, 0.2884



62.1719, 0.2357, 0.2629

Triad

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



62.1719, 0.2293, 0.2884



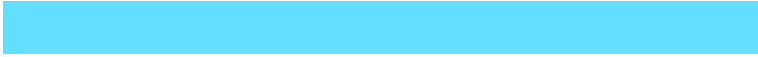
62.1719, 0.3483, 0.2891



62.1719, 0.3623, 0.4105

Complementary

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



62.1719, 0.2293, 0.2884



38.9757, 0.4818, 0.3616

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.



62.1719, 0.3943, 0.3917



62.1719, 0.2293, 0.2884



62.1719, 0.3869, 0.3224

Square

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



62.1719, 0.2293, 0.2884



62.1719, 0.3016, 0.2653



62.1719, 0.4040, 0.3591



62.1719, 0.3184, 0.4053

Rectangle

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



62.1719, 0.2293, 0.2884



62.1719, 0.2507, 0.2560



62.1719, 0.4040, 0.3591



62.1719, 0.3749, 0.4065

Sweetspot

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



62.1742, 0.2293, 0.2884



86.2321, 0.2850, 0.3188



75.8549, 0.2916, 0.4902



18.0268, 0.2806, 0.3170



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.



62.1742, 0.2293, 0.2884



57.2667, 0.2185, 0.2787



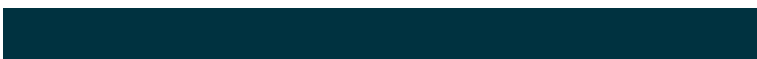
30.6693, 0.2065, 0.1881



19.7862, 0.2980, 0.3238



25.7546, 0.2052, 0.2588



2.6636, 0.2077, 0.2677

Inverse Universe

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



35.6647, 0.3521, 0.2129



30.4229, 0.3625, 0.1981



67.5375, 0.4261, 0.4346



18.2302, 0.3171, 0.3105



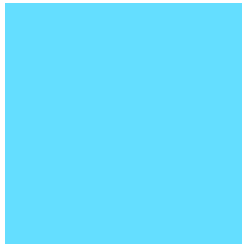
13.3279, 0.3835, 0.1887



1.3134, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 62.1719, 0.2293, 0.2884 looks on a white background.

Color Contrast Check

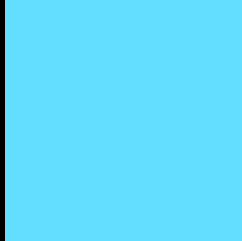
Large Text (above 18pt) WCAG AA × Fail

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 62.1719, 0.2293, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

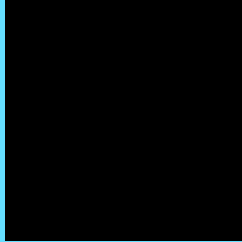
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1719, 0.2293, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 62.1719, 0.2293, 0.2884.



This preview shows how white text looks on a background with the Yxy color 62.1719, 0.2293, 0.2884.

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

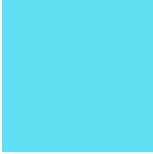
62.1719, 0.2293, 0.2884

Protanopia

61.6023, 0.2830, 0.2863

Deuteranopia

61.4668, 0.2750, 0.2707



Tritanopia

62.1018, 0.2331, 0.3061

Trichromacy



Original Color

62.1719, 0.2293, 0.2884



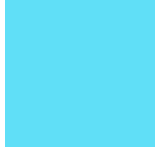
Protanomaly

60.9853, 0.2583, 0.2865



Deuteranomaly

60.5023, 0.2539, 0.2755



Tritanomaly

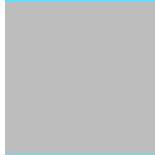
61.9775, 0.2314, 0.2988

Monochromacy



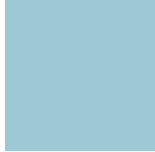
Original Color

62.1719, 0.2293, 0.2884



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.7455, 0.2730, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1719, 0.2293, 0.2884 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(100, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 222, 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(100, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.1719, 0.2293, 0.2884 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(100, 222, 255) }
```

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

```
.border{ border-color:rgb(100, 222, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 222, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1719, 0.2293, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 222, 255) }
```

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

```
.background{ background-color: rgb(100,  
222, 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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