

Converting Colors

$Yxy(60.1132, 0.2317, 0.3168)$

Have a look what the booklet for
Yxy(60.1132, 0.2317, 0.3168)
contains.

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Color

Yxy(60.1793, 0.2319, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	4DDFE8
RGB	77, 223, 232
RGB Percent	30%, 87%, 91%
CMY	0.6973, 0.1255, 0.0902
CMYK	0.67, 0.04, 0.00, 0.09
HSL	183°, 77%, 61%
HSV	183°, 67%, 91%
XYZ	44.0239, 60.1793, 85.6369
YIQ	180.3720, -89.9050, -28.1530

Conversions

Conversions Part 2

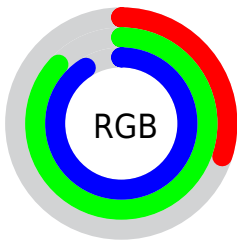
Format	Color
RYB	77, 152, 232
Decimal	5103592
CIELab	81.94, -35.28, -15.76
CIELCh	82, 38.636, 204.072
Yxy	60.1793, 0.2319, 0.3170
Android (android.graphics.Color)	4283293672 (0xFF4DDFE8)
YUV	180.3720, 25.4526, -90.6572
Hunter-Lab	77.5753, -34.4582, -11.1486

Details

The Yxy color **60.1793, 0.2319, 0.3170** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.3805, 0.5265, 0.3381**, and the grayscale version is **45.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **30.7720, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **58.6615, 0.2261, 0.3150**, and if you desaturate by 10%, it is **62.0516, 0.2396, 0.3190**.

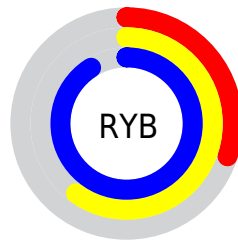
Distribution



Red (30%)

Green (87%)

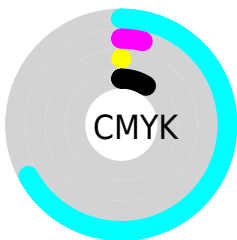
Blue (91%)



Red (30%)

Yellow (60%)

Blue (91%)

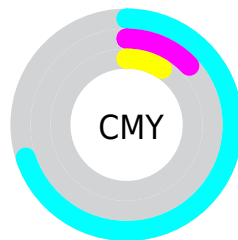


Cyan (67%)

Magenta (4%)

Yellow (0%)

Black (9%)



Cyan (70%)


Magenta (13%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1793, 0.2319, 0.3170 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 60.1793, 0.2319, 0.3170 by changing the saturation by 10% instead.


 60.1793, 0.2319,
0.3170


 60.1793, 0.2319,
0.3170


425.2584, 0.2694,
0.3239


 43.5632, 0.2234,
0.3151

 105.0897, 0.2449,
0.3197

 30.3272, 0.2129,
0.3125


 134.1528, 0.2499,
0.3206

 20.0871, 0.1998,
0.3089


 168.1337, 0.2543,
0.3214

 12.4584, 0.1829,
0.3038

 207.4167, 0.2581,
0.3221

 7.0567, 0.1604,
0.2959

252.3863, 0.2614,
0.3227

 3.4976, 0.1295,
0.2825

303.4268, 0.2644,

 1.3967, 0.0738,

0.3231

360.9227, 0.2670,
0.3236

0.2612

0.2143, 0.0000,
0.1340

0.0000, 0.0000,
0.0000

60.1793, 0.2319,
0.3170

60.1793, 0.2319,
0.3170

58.6615, 0.2261,
0.3150

62.0516, 0.2396,
0.3190

57.4528, 0.2223,
0.3130

64.3045, 0.2492,
0.3209

56.5068, 0.2201,
0.3111


66.9692, 0.2605,
0.3229


56.2279, 0.2196,
0.3105

70.0719, 0.2733,
0.3247

 73.6366, 0.2874,
0.3264

 77.6856, 0.3023,
0.3280

 82.2396, 0.3179,
0.3295

 85.8119, 0.3283,
0.3308

 86.5826, 0.3282,
0.3321

Harmonies

Analogous

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



60.1793, 0.2617, 0.3667



60.1793, 0.2319, 0.3170



60.1793, 0.2226, 0.2764

Triad

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



60.1793, 0.2319, 0.3170



60.1793, 0.3127, 0.2655



60.1793, 0.3943, 0.4033

Complementary

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



60.1793, 0.2319, 0.3170



24.3805, 0.5265, 0.3381

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.



60.1793, 0.4117, 0.3703



60.1793, 0.2319, 0.3170



60.1793, 0.3628, 0.2939

Square

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



60.1793, 0.2319, 0.3170



60.1793, 0.2663, 0.2510



60.1793, 0.4003, 0.3310



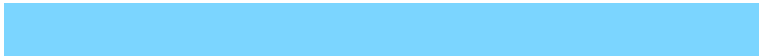
60.1793, 0.3552, 0.4189

Rectangle

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



60.1793, 0.2319, 0.3170



60.1793, 0.2283, 0.2592



60.1793, 0.4003, 0.3310



60.1793, 0.4030, 0.3936

Sweetspot

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



60.1816, 0.2319, 0.3170



89.6985, 0.2825, 0.3258



59.9524, 0.3000, 0.5358



18.9313, 0.2785, 0.3253



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.



60.1816, 0.2319, 0.3170



72.1027, 0.2245, 0.3143



28.2328, 0.2054, 0.2067



16.1851, 0.2982, 0.3276



31.2817, 0.2197, 0.3108



2.3556, 0.2205, 0.3136

Inverse Universe

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



27.8164, 0.3292, 0.1859



30.1066, 0.3324, 0.1707



43.6519, 0.4567, 0.4188



14.6000, 0.3147, 0.3072



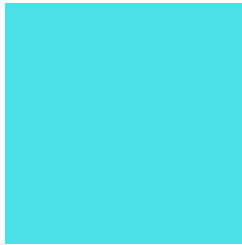
12.3556, 0.3360, 0.1625



0.9175, 0.3336, 0.1611

Previews

White Background



This preview shows how the Yxy color 60.1793, 0.2319, 0.3170 looks on a white background.

Color Contrast Check

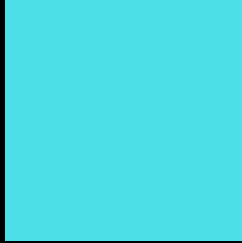
Large Text (above 18pt) WCAG AA × Fail

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 60.1793, 0.2319, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

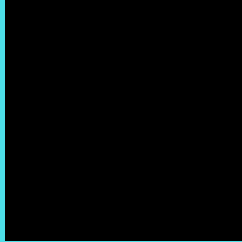
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1793, 0.2319, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 60.1793, 0.2319, 0.3170.

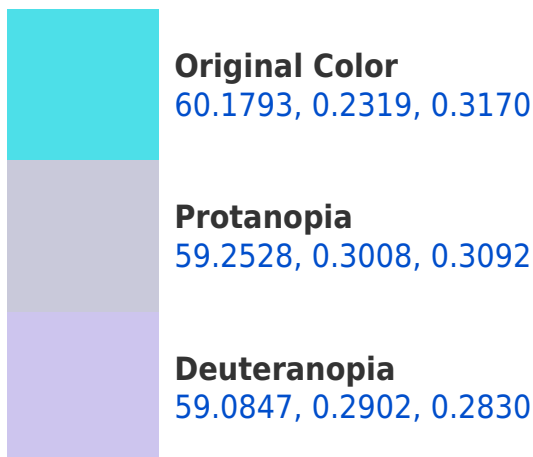


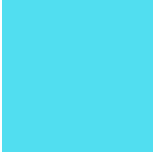
This preview shows how white text looks on a background with the Yxy color 60.1793, 0.2319, 0.3170.

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





Tritanopia

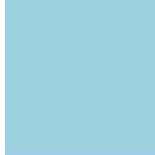
60.2832, 0.2294, 0.3057

Trichromacy



Original Color

60.1793, 0.2319, 0.3170



Protanomaly

57.9966, 0.2676, 0.3115



Deuteranomaly

57.5697, 0.2617, 0.2925



Tritanomaly

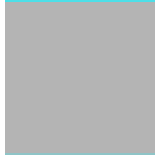
60.0625, 0.2303, 0.3094

Monochromacy



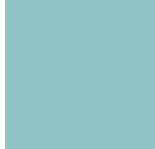
Original Color

60.1793, 0.2319, 0.3170



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.4430, 0.2718, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1793, 0.2319, 0.3170 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(77, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(77, 223, 232)  
}
```

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(77, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 223, 232) }
```

Border

The CSS property to change the border of an element to Yxy 60.1793, 0.2319, 0.3170 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(77, 223, 232) }
```

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

```
.border{ border-color:rgb(77, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 223, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 223, 232);  
box-shadow:4px 4px 4px 4px rgb(77, 223,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1793, 0.2319, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 223, 232) }
```

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

```
.background{ background-color: rgb(77, 223,  
232) }
```

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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