

Converting Colors

$Y_{xy}(62.1471, 0.2528, 0.3729)$

Have a look what the booklet for
Yxy(62.1471, 0.2528, 0.3729)
contains.

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Color

Yxy(62.1937, 0.2528, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	59E5C5
RGB	89, 229, 197
RGB Percent	35%, 90%, 77%
CMY	0.6508, 0.1020, 0.2275
CMYK	0.61, 0.00, 0.14, 0.10
HSL	166°, 73%, 62%
HSV	166°, 61%, 90%
XYZ	42.2196, 62.1937, 62.5945
YIQ	183.4920, -73.1680, -39.6320

Conversions

Conversions Part 2

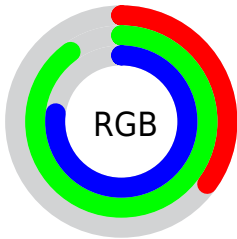
Format	Color
R_{YB}	89, 168, 229
Decimal	5891525
CIE _{Lab}	83.02, -45.29, 4.42
CIE _{LCh}	83, 45.509, 174.428
Yxy	62.1937, 0.2528, 0.3724
Android (android.graphics.Color)	4284081605 (0xFF59E5C5)
YUV	183.4920, 6.6594, -82.8695
Hunter-Lab	78.8630, -42.4496, 8.1449

Details

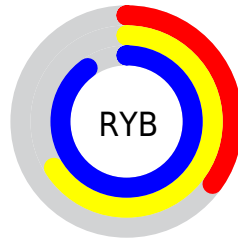
The Yxy color **62.1937, 0.2528, 0.3724** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **25.1943, 0.4605, 0.2949**, and the grayscale version is **47.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2551, 0.2570, 0.3299**, and **31.8703, 0.2402, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **60.9972, 0.2483, 0.3808**, and if you desaturate by 10%, it is **63.7557, 0.2592, 0.3642**.

Distribution



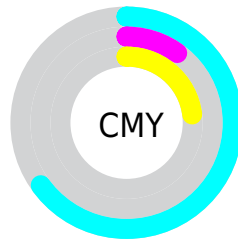
- Red (35%)
- Green (90%)
- Blue (77%)



- Red (35%)
- Yellow (66%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1937, 0.2528, 0.3724 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 62.1937, 0.2528, 0.3724 by changing the saturation by 10% instead.

 62.1937, 0.2528,
0.3724


 62.1937, 0.2528,
0.3724


432.6373, 0.2813,
0.3514


 45.1892, 0.2461,
0.3774


 108.0054, 0.2629,
0.3649


 31.6065, 0.2377,
0.3838

 137.5815, 0.2667,
0.3621

 21.0611, 0.2270,
0.3920


 172.1169, 0.2700,
0.3596

 13.1687, 0.2127,
0.4031

 211.9959, 0.2729,
0.3575

 7.5448, 0.1930,
0.4188

257.6031, 0.2754,
0.3557

 3.8051, 0.1641,
0.4427

309.3228, 0.2776,

 1.5651, 0.0846,

0.3541

0.5016

367.5394, 0.2796,
0.3527

■ 0.3339, 0.0000,
0.8594

■ 0.0000, 0.0000,
0.0000

■ 62.1937, 0.2528,
0.3724

■ 62.1937, 0.2528,
0.3724

■ 60.9972, 0.2483,
0.3808

■ 63.7557, 0.2592,
0.3642

■ 60.1249, 0.2457,
0.3894


■ 65.7056, 0.2674,
0.3563

■ 59.5387, 0.2451,
0.3979


■ 68.0723, 0.2769,
0.3488

■ 59.1979, 0.2459,
0.4053


■ 70.8800, 0.2876,
0.3418

 74.1510, 0.2992,
0.3354

 77.9062, 0.3113,
0.3296

 82.1649, 0.3238,
0.3244

 83.5246, 0.3243,
0.3193

 83.8386, 0.3209,
0.3142

Harmonies

Analogous

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



62.1937, 0.3041, 0.4200



62.1937, 0.2528, 0.3724



62.1937, 0.2193, 0.3135

Triad

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



62.1937, 0.2528, 0.3724



62.1937, 0.2593, 0.2397



62.1937, 0.4278, 0.3757

Complementary

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



62.1937, 0.2528, 0.3724



25.1943, 0.4605, 0.2949

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.



62.1937, 0.4153, 0.3309



62.1937, 0.2528, 0.3724



62.1937, 0.3130, 0.2566

Square

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



62.1937, 0.2528, 0.3724



62.1937, 0.2232, 0.2423



62.1937, 0.3716, 0.2889



62.1937, 0.4064, 0.4146

Rectangle

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



62.1937, 0.2528, 0.3724



62.1937, 0.2100, 0.2802



62.1937, 0.3716, 0.2889



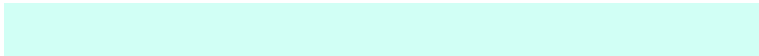
62.1937, 0.4276, 0.3609

Sweetspot

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



62.1961, 0.2528, 0.3724



91.6520, 0.2910, 0.3399



60.8775, 0.3207, 0.5163



19.3688, 0.2877, 0.3418



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.



62.1961, 0.2528, 0.3724



77.5543, 0.2475, 0.3828



45.3435, 0.2268, 0.2776



16.2770, 0.3012, 0.3344



33.8655, 0.2456, 0.4040



2.5164, 0.2421, 0.3917

Inverse Universe

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



25.1943, 0.4605, 0.2949



26.6550, 0.5095, 0.2936



32.3980, 0.4755, 0.3701



14.4217, 0.3257, 0.3236



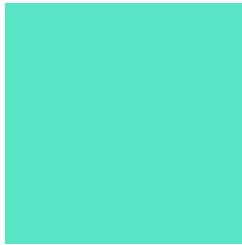
9.6832, 0.5989, 0.3073



0.7295, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 62.1937, 0.2528, 0.3724 looks on a white background.

Color Contrast Check

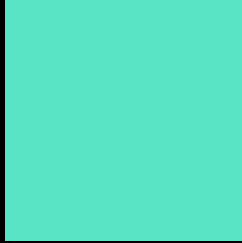
Large Text (above 18pt) WCAG AA × Fail

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 62.1937, 0.2528, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

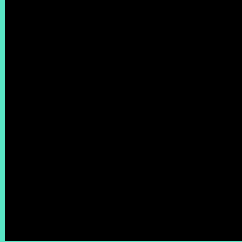
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

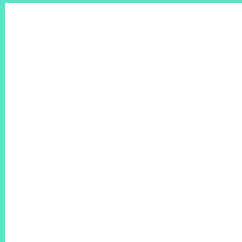
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.1937, 0.2528, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 62.1937, 0.2528, 0.3724.



This preview shows how white text looks on a background with the Yxy color 62.1937, 0.2528, 0.3724.

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

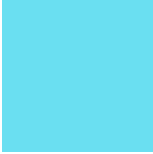
62.1937, 0.2528, 0.3724

Protanopia

60.9426, 0.3352, 0.3523

Deuteranopia

61.2140, 0.3296, 0.3235



Tritanopia

62.1904, 0.2374, 0.3062

Trichromacy



Original Color

62.1937, 0.2528, 0.3724



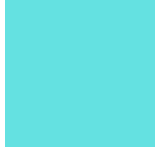
Protanomaly

59.6976, 0.2971, 0.3594



Deuteranomaly

59.5403, 0.2941, 0.3401



Tritanomaly

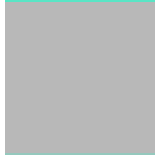
61.9960, 0.2427, 0.3288

Monochromacy



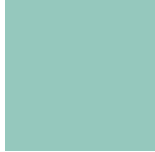
Original Color

62.1937, 0.2528, 0.3724



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.3722, 0.2826, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1937, 0.2528, 0.3724 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(89, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(89, 229, 197)  
}
```

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(89, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 229, 197) }
```

Border

The CSS property to change the border of an element to Yxy 62.1937, 0.2528, 0.3724 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(89, 229, 197) }
```

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

```
.border{ border-color:rgb(89, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 229, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 229, 197);  
box-shadow:4px 4px 4px 4px rgb(89, 229,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1937, 0.2528, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 229, 197) }
```

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

```
.background{ background-color: rgb(89, 229,  
197) }
```

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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