

Converting Colors

$Yxy(60.6161, 0.2414, 0.3491)$

Have a look what the booklet for
Yxy(60.6161, 0.2414, 0.3491)
contains.

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Color

$\text{Yxy}(60.6324, 0.2414, 0.3491)$

Conversions

Conversions Part 1

Format	Color
Hex	4CE2D3
RGB	76, 226, 211
RGB Percent	30%, 89%, 83%
CMY	0.7025, 0.1137, 0.1725
CMYK	0.66, 0.00, 0.07, 0.11
HSL	174°, 72%, 59%
HSV	174°, 66%, 89%
XYZ	41.9268, 60.6324, 71.1228
YIQ	179.4400, -84.5850, -36.4650

Conversions

Conversions Part 2

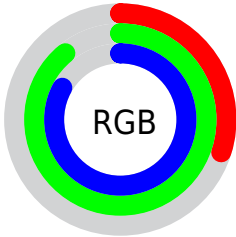
Format	Color
RYB	76, 155, 226
Decimal	5038803
CIELab	82.18, -42.58, -4.25
CIElCh	82, 42.788, 185.707
Yxy	60.6324, 0.2414, 0.3491
Android (android.graphics.Color)	4283228883 (0xFF4CE2D3)
YUV	179.4400, 15.5591, -90.7169
Hunter-Lab	77.8668, -40.1548, 0.3519

Details

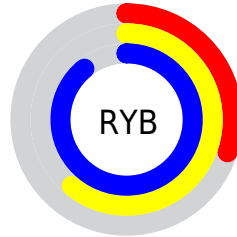
The Yxy color **60.6324, 0.2414, 0.3491** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.0752, 0.5108, 0.3147**, and the grayscale version is **45.2579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **31.1838, 0.2312, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **59.7552, 0.2369, 0.3526**, and if you desaturate by 10%, it is **61.8407, 0.2478, 0.3457**.

Distribution



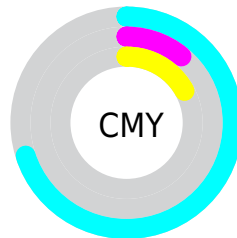
- Red (30%)
- Green (89%)
- Blue (83%)



- Red (30%)
- Yellow (61%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (70%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6324, 0.2414, 0.3491 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 60.6324, 0.2414, 0.3491 by changing the saturation by 10% instead.

 60.6324, 0.2414,
0.3491


 60.6324, 0.2414,
0.3491

426.9249, 0.2749,
0.3400


 43.9286, 0.2336,
0.3511


 105.7465, 0.2531,
0.3460


 30.6144, 0.2240,
0.3535


 134.9256, 0.2577,
0.3448

 20.3054, 0.2118,
0.3564

 169.0318, 0.2615,
0.3438

 12.6172, 0.1958,
0.3601

 208.4497, 0.2649,
0.3428

 7.1655, 0.1741,
0.3646

253.5635, 0.2679,
0.3420

 3.5658, 0.1433,
0.3702

304.7577, 0.2705,

 1.4338, 0.0658,

0.3413

0.3892

362.4167, 0.2728,
0.3406

0.2414, 0.0000,
0.3011

0.0000, 0.0000,
0.0000

60.6324, 0.2414,
0.3491

60.6324, 0.2414,
0.3491

59.7552, 0.2369,
0.3526

61.8407, 0.2478,
0.3457

59.1662, 0.2344,
0.3560

63.4036, 0.2561,
0.3423


58.8227, 0.2336,
0.3594


65.3508, 0.2660,
0.3391


58.7320, 0.2335,
0.3606


67.7065, 0.2775,
0.3361

 70.4934, 0.2901,
0.3332

 73.7321, 0.3037,
0.3306

 77.4423, 0.3178,
0.3282

 81.3218, 0.3311,
0.3260

 81.4489, 0.3296,
0.3238

Harmonies

Analogous

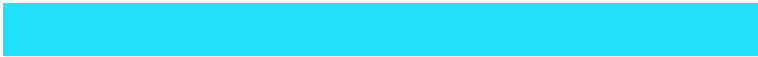
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.6324, 0.2851, 0.4009



60.6324, 0.2414, 0.3491



60.6324, 0.2174, 0.2958

Triad

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



60.6324, 0.2414, 0.3491



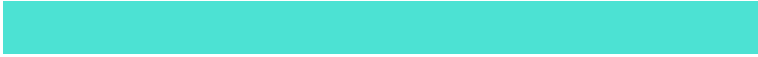
60.6324, 0.2798, 0.2478



60.6324, 0.4179, 0.3890

Complementary

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



60.6324, 0.2414, 0.3491



22.0752, 0.5108, 0.3147

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.



60.6324, 0.4183, 0.3474



60.6324, 0.2414, 0.3491



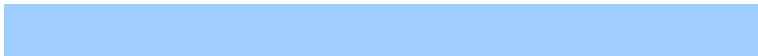
60.6324, 0.3344, 0.2700

Square

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



60.6324, 0.2414, 0.3491



60.6324, 0.2381, 0.2431



60.6324, 0.3868, 0.3053



60.6324, 0.3877, 0.4204

Rectangle

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



60.6324, 0.2414, 0.3491



60.6324, 0.2143, 0.2688



60.6324, 0.3868, 0.3053



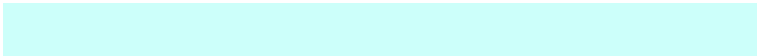
60.6324, 0.4217, 0.3757

Sweetspot

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



60.6347, 0.2414, 0.3491



91.2533, 0.2853, 0.3342



57.1385, 0.3093, 0.5388



19.3105, 0.2818, 0.3350



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.



60.6347, 0.2414, 0.3491



78.1992, 0.2357, 0.3540



34.2795, 0.2142, 0.2421



15.5475, 0.2995, 0.3313



33.5121, 0.2334, 0.3601



2.3298, 0.2319, 0.3548

Inverse Universe

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



22.0752, 0.5108, 0.3147



24.0877, 0.5730, 0.3168



34.2789, 0.4767, 0.3941



13.7227, 0.3276, 0.3267



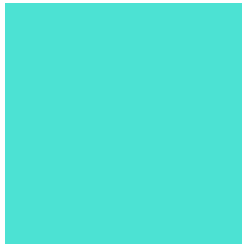
9.2666, 0.6280, 0.3233



0.6500, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 60.6324, 0.2414, 0.3491 looks on a white background.

Color Contrast Check

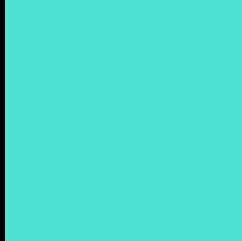
Large Text (above 18pt) WCAG AA × Fail

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 60.6324, 0.2414, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

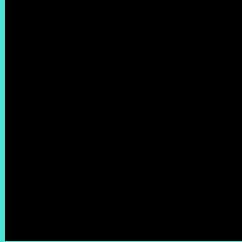
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

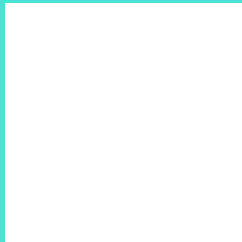
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.6324, 0.2414, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 60.6324, 0.2414, 0.3491.

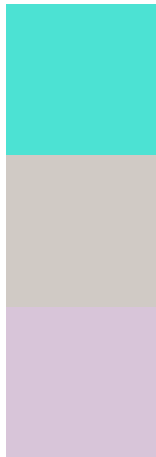


This preview shows how white text looks on a background with the Yxy color 60.6324, 0.2414, 0.3491.

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

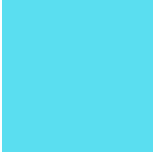
60.6324, 0.2414, 0.3491

Protanopia

59.6822, 0.3210, 0.3349

Deuteranopia

59.5412, 0.3130, 0.3065



Tritanopia

60.7075, 0.2321, 0.3058

Trichromacy



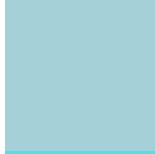
Original Color

60.6324, 0.2414, 0.3491



Protanomaly

58.3264, 0.2828, 0.3404



Deuteranomaly

58.0174, 0.2778, 0.3202



Tritanomaly

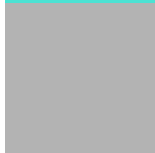
60.3638, 0.2354, 0.3209

Monochromacy



Original Color

60.6324, 0.2414, 0.3491



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.9042, 0.2755, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6324, 0.2414, 0.3491 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(76, 226, 211)` looks like.

```
.text, #text, p{  
  color:rgb(76, 226, 211)  
}
```

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(76, 226, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 226, 211) }
```

Border

The CSS property to change the border of an element to Yxy 60.6324, 0.2414, 0.3491 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(76, 226, 211) }
```

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

```
.border{ border-color:rgb(76, 226, 211) }
```

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

Here you see how a box with a 4 pixel rgb(76, 226, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 226, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 226, 211);  
box-shadow:4px 4px 4px 4px rgb(76, 226,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6324, 0.2414, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 226, 211) }
```

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

```
.background{ background-color: rgb(76, 226,  
211) }
```

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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