

Converting Colors

$Yxy(60.8296, 0.2489, 0.3477)$

Have a look what the booklet for
Yxy(60.8296, 0.2489, 0.3477)
contains.

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Color

Yxy(60.6171, 0.2490, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	63E0D2
RGB	99, 224, 210
RGB Percent	39%, 88%, 82%
CMY	0.6117, 0.1216, 0.1765
CMYK	0.56, 0.00, 0.06, 0.12
HSL	173°, 67%, 63%
HSV	173°, 56%, 88%
XYZ	43.4350, 60.6171, 70.3856
YIQ	185.0290, -70.0060, -30.8540

Conversions

Conversions Part 2

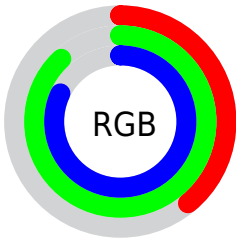
Format	Color
RYB	99, 165, 224
Decimal	6545618
CIELab	82.17, -38.03, -3.67
CIElCh	82, 38.207, 185.508
Yxy	60.6171, 0.2490, 0.3475
Android (android.graphics.Color)	4284735698 (0xFF63E0D2)
YUV	185.0290, 12.3107, -75.4474
Hunter-Lab	77.8570, -36.6678, 0.8995

Details

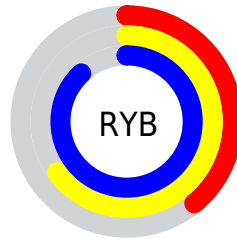
The Yxy color **60.6171, 0.2490, 0.3475** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.9663, 0.4613, 0.3137**, and the grayscale version is **48.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **30.5650, 0.2331, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **59.4037, 0.2426, 0.3514**, and if you desaturate by 10%, it is **62.1870, 0.2573, 0.3437**.

Distribution



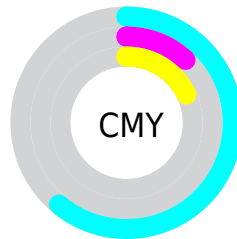
- Red (39%)
- Green (88%)
- Blue (82%)



- Red (39%)
- Yellow (65%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (61%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6171, 0.2490, 0.3475 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 60.6171, 0.2490, 0.3475 by changing the saturation by 10% instead.

 60.6171, 0.2490,
0.3475


 60.6171, 0.2490,
0.3475


426.8687, 0.2790,
0.3391


 43.9162, 0.2420,
0.3494


 105.7243, 0.2595,
0.3446

 30.6047, 0.2334,
0.3516


 134.8995, 0.2636,
0.3435

 20.2980, 0.2223,
0.3545

 169.0015, 0.2671,
0.3425

 12.6118, 0.2078,
0.3580

 208.4148, 0.2701,
0.3416

 7.1618, 0.1879,
0.3626

253.5238, 0.2728,
0.3409

 3.5635, 0.1592,
0.3686

304.7128, 0.2751,

 1.4325, 0.0946,

0.3402

362.3663, 0.2772,
0.3396

0.3845

0.2405, 0.0000,
0.3170

0.0000, 0.0000,
0.0000

60.6171, 0.2490,
0.3475

60.6171, 0.2490,
0.3475

59.4037, 0.2426,
0.3514

62.1870, 0.2573,
0.3437

58.5100, 0.2381,
0.3553

64.1326, 0.2673,
0.3401


57.9038, 0.2355,
0.3592


66.4802, 0.2787,
0.3367


57.5422, 0.2347,
0.3630

69.2516, 0.2912,
0.3335

 57.4323, 0.2346,
0.3646

 72.4670, 0.3047,
0.3306

 76.1455, 0.3186,
0.3279

 80.1501, 0.3324,
0.3255

 80.2901, 0.3307,
0.3230

 80.4321, 0.3290,
0.3205

Harmonies

Analogous

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



60.6171, 0.2887, 0.3928



60.6171, 0.2490, 0.3475



60.6171, 0.2269, 0.3002

Triad

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



60.6171, 0.2490, 0.3475



60.6171, 0.2831, 0.2555



60.6171, 0.4070, 0.3835

Complementary

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



60.6171, 0.2490, 0.3475



25.9663, 0.4613, 0.3137

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.



60.6171, 0.4068, 0.3460



60.6171, 0.2490, 0.3475



60.6171, 0.3320, 0.2756

Square

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



60.6171, 0.2490, 0.3475



60.6171, 0.2454, 0.2515



60.6171, 0.3786, 0.3077



60.6171, 0.3805, 0.4109

Rectangle

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



60.6171, 0.2490, 0.3475



60.6171, 0.2238, 0.2756



60.6171, 0.3786, 0.3077



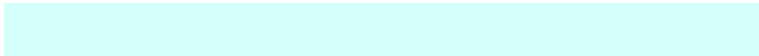
60.6171, 0.4102, 0.3716

Sweetspot

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



60.6195, 0.2490, 0.3475



92.3763, 0.2895, 0.3339



57.7641, 0.3123, 0.5039



19.6046, 0.2869, 0.3346



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.



60.6195, 0.2490, 0.3475



79.4601, 0.2417, 0.3520



39.1212, 0.2283, 0.2616



15.5445, 0.2997, 0.3316



33.4397, 0.2345, 0.3640



2.3255, 0.2328, 0.3581

Inverse Universe

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



25.9663, 0.4613, 0.3137



28.6090, 0.5127, 0.3128



37.5931, 0.4440, 0.3844



13.7254, 0.3274, 0.3264



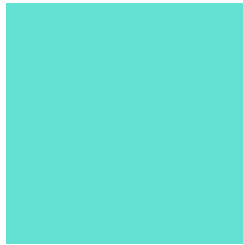
9.2737, 0.6260, 0.3222



0.6513, 0.5946, 0.3049

Previews

White Background



This preview shows how the Yxy color 60.6171, 0.2490, 0.3475 looks on a white background.

Color Contrast Check

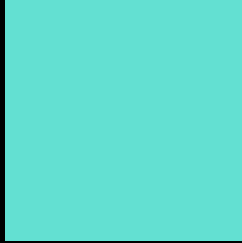
Large Text (above 18pt) WCAG AA × Fail

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 60.6171, 0.2490, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

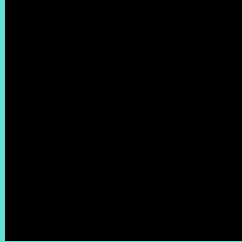
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

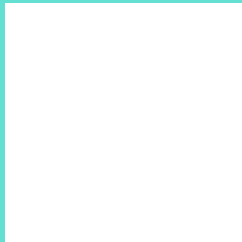
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.6171, 0.2490, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 60.6171, 0.2490, 0.3475.

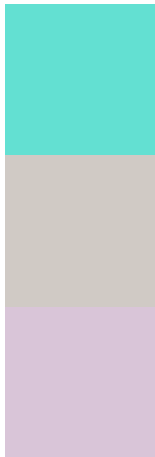


This preview shows how white text looks on a background with the Yxy color 60.6171, 0.2490, 0.3475.

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

60.6171, 0.2490, 0.3475

Protanopia

59.6822, 0.3210, 0.3349

Deuteranopia

59.6421, 0.3145, 0.3076



Tritanopia

60.6107, 0.2390, 0.3061

Trichromacy



Original Color

60.6171, 0.2490, 0.3475



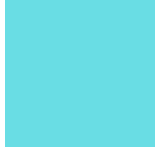
Protanomaly

58.6823, 0.2880, 0.3390



Deuteranomaly

58.4794, 0.2843, 0.3203



Tritanomaly

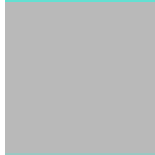
60.3176, 0.2422, 0.3198

Monochromacy



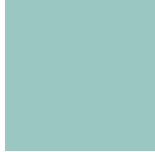
Original Color

60.6171, 0.2490, 0.3475



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.6119, 0.2827, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6171, 0.2490, 0.3475 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(99, 224, 210)` looks like.

```
.text, #text, p{  
    color:rgb(99, 224, 210)  
}
```

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(99, 224, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 224, 210) }
```

Border

The CSS property to change the border of an element to Yxy 60.6171, 0.2490, 0.3475 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(99, 224, 210) }
```

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

```
.border{ border-color:rgb(99, 224, 210) }
```

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

Here you see how a box with a 4 pixel rgb(99, 224, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 224, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 224, 210);  
box-shadow:4px 4px 4px 4px rgb(99, 224,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6171, 0.2490, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 224, 210) }
```

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

```
.background{ background-color: rgb(99, 224,  
210) }
```

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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