

Converting Colors

$Y_{xy}(61.5611, 0.2474, 0.3639)$

Have a look what the booklet for
Yxy(61.5611, 0.2474, 0.3639)
contains.

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Color

Yxy(61.5004, 0.2476, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	51E4CA
RGB	81, 228, 202
RGB Percent	32%, 89%, 79%
CMY	0.6816, 0.1059, 0.2078
CMYK	0.64, 0.00, 0.11, 0.11
HSL	169°, 73%, 61%
HSV	169°, 64%, 89%
XYZ	41.8108, 61.5004, 65.5531
YIQ	181.0830, -79.2660, -39.2500

Conversions

Conversions Part 2

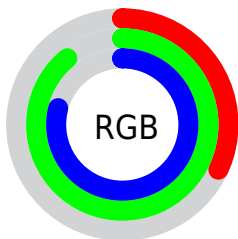
Format	Color
RYB	81, 162, 228
Decimal	5366986
CIELab	82.65, -44.94, 1.20
CIELCh	83, 44.953, 178.467
Yxy	61.5004, 0.2476, 0.3642
Android (android.graphics.Color)	4283557066 (0xFF51E4CA)
YUV	181.0830, 10.3121, -87.7728
Hunter-Lab	78.4222, -42.0715, 5.3350

Details

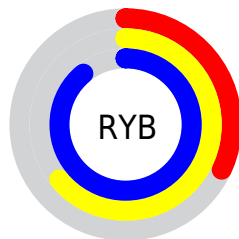
The Yxy color **61.5004, 0.2476, 0.3642** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **23.4709, 0.4848, 0.3025**, and the grayscale version is **46.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **31.6432, 0.2370, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **60.4677, 0.2433, 0.3706**, and if you desaturate by 10%, it is **62.8811, 0.2538, 0.3579**.

Distribution



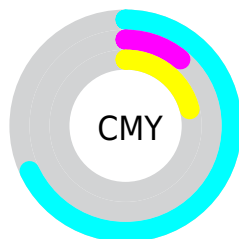
- Red (32%)
- Green (89%)
- Blue (79%)



- Red (32%)
- Yellow (64%)
- Blue (89%)



- Cyan (64%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (68%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5004, 0.2476, 0.3642 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 61.5004, 0.2476, 0.3642 by changing the saturation by 10% instead.


 61.5004, 0.2476,
0.3642

 61.5004, 0.2476,
0.3642

430.1064, 0.2784,
0.3474


 44.6291, 0.2404,
0.3681


 107.0031, 0.2584,
0.3583

 31.1654, 0.2314,
0.3731


 136.4034, 0.2626,
0.3560

 20.7248, 0.2200,
0.3794


 170.7488, 0.2662,
0.3541

 12.9230, 0.2049,
0.3878

 210.4237, 0.2693,
0.3524

 7.3756, 0.1841,
0.3994

255.8125, 0.2720,
0.3509

 3.6981, 0.1541,
0.4165

307.2996, 0.2744,

 1.5061, 0.0716,

0.3496

0.4616

365.2695, 0.2765,
0.3485

■ 0.2930, 0.0000,
0.5550

■ 0.0000, 0.0000,
0.0000

■ 61.5004, 0.2476,
0.3642

■ 61.5004, 0.2476,
0.3642

■ 60.4677, 0.2433,
0.3706

■ 62.8811, 0.2538,
0.3579

■ 59.7404, 0.2410,
0.3770


■ 64.6332, 0.2619,
0.3518


■ 59.2778, 0.2405,
0.3834


■ 66.7861, 0.2715,
0.3460

■ 59.0956, 0.2408,
0.3869


■ 69.3645, 0.2824,
0.3406

 72.3909, 0.2943,
0.3355

 75.8863, 0.3070,
0.3309

 79.8703, 0.3201,
0.3267

 82.6967, 0.3274,
0.3228

 82.9316, 0.3247,
0.3189

Harmonies

Analogous

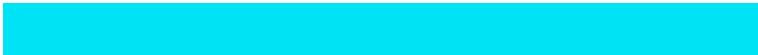
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.5004, 0.2967, 0.4145



61.5004, 0.2476, 0.3642



61.5004, 0.2173, 0.3064

Triad

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



61.5004, 0.2476, 0.3642



61.5004, 0.2661, 0.2416



61.5004, 0.4258, 0.3812

Complementary

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



61.5004, 0.2476, 0.3642



23.4709, 0.4848, 0.3025

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.



61.5004, 0.4181, 0.3369



61.5004, 0.2476, 0.3642



61.5004, 0.3209, 0.2606

Square

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



61.5004, 0.2476, 0.3642



61.5004, 0.2275, 0.2414



61.5004, 0.3782, 0.2944



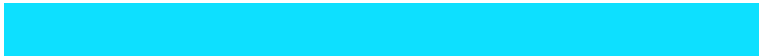
61.5004, 0.4007, 0.4180

Rectangle

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



61.5004, 0.2476, 0.3642



61.5004, 0.2102, 0.2751



61.5004, 0.3782, 0.2944



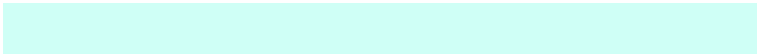
61.5004, 0.4271, 0.3667

Sweetspot

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



61.5028, 0.2476, 0.3642



91.4008, 0.2886, 0.3379



59.2717, 0.3161, 0.5287



19.3275, 0.2852, 0.3393



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.



61.5028, 0.2476, 0.3642



77.6203, 0.2424, 0.3726



40.6114, 0.2209, 0.2636



16.2903, 0.3005, 0.3332



34.1442, 0.2406, 0.3860



2.5347, 0.2380, 0.3767

Inverse Universe

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



23.4709, 0.4848, 0.3025



25.1493, 0.5404, 0.3035



32.4437, 0.4813, 0.3794



14.4094, 0.3265, 0.3249



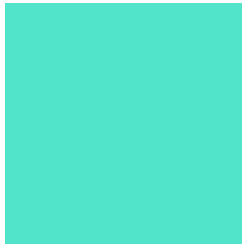
9.6263, 0.6128, 0.3150



0.7236, 0.5745, 0.2938

Previews

White Background



This preview shows how the Yxy color 61.5004, 0.2476, 0.3642 looks on a white background.

Color Contrast Check

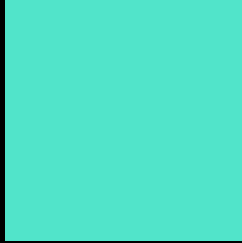
Large Text (above 18pt) WCAG AA × Fail

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 61.5004, 0.2476, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

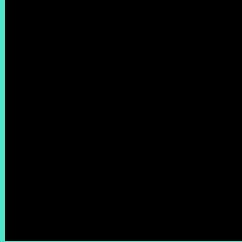
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

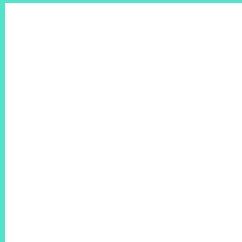
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.5004, 0.2476, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 61.5004, 0.2476, 0.3642.

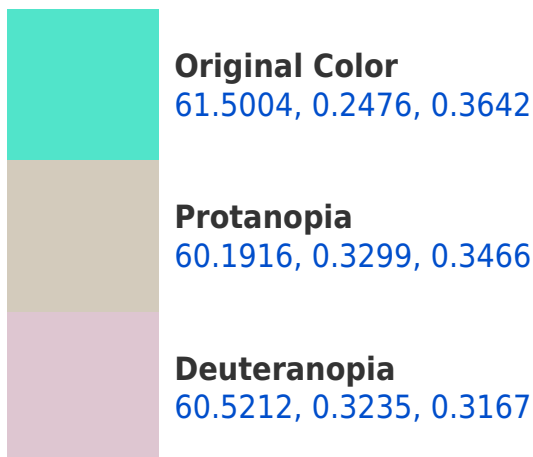


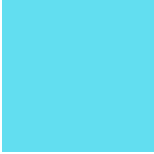
This preview shows how white text looks on a background with the Yxy color 61.5004, 0.2476, 0.3642.

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

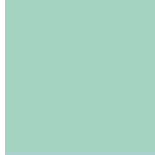
61.1305, 0.2347, 0.3060

Trichromacy



Original Color

61.5004, 0.2476, 0.3642



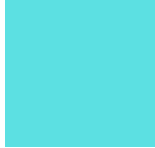
Protanomaly

58.8297, 0.2911, 0.3532



Deuteranomaly

58.7151, 0.2875, 0.3327



Tritanomaly

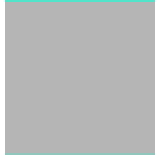
61.0776, 0.2392, 0.3262

Monochromacy



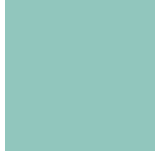
Original Color

61.5004, 0.2476, 0.3642



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.0820, 0.2797, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5004, 0.2476, 0.3642 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(81, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(81, 228, 202)  
}
```

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(81, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 228, 202) }
```

Border

The CSS property to change the border of an element to Yxy 61.5004, 0.2476, 0.3642 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(81, 228, 202) }
```

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

```
.border{ border-color:rgb(81, 228, 202) }
```

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

Here you see how a box with a 4 pixel rgb(81, 228, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(81, 228,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5004, 0.2476, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 228, 202) }
```

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

```
.background{ background-color: rgb(81, 228,  
202) }
```

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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