

Converting Colors

$Yxy(61.5998, 0.2514, 0.3617)$

Have a look what the booklet for
Yxy(61.5998, 0.2514, 0.3617)
contains.

| | |
|--|----|
| Yxy(61.6297, 0.2512, 0.3612) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(61.6297, 0.2512, 0.3612)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5EE3CB |
| RGB | 94, 227, 203 |
| RGB Percent | 37%, 89%, 80% |
| CMY | 0.6315, 0.1098, 0.2039 |
| CMYK | 0.59, 0.00, 0.11, 0.11 |
| HSL | 169°, 70%, 63% |
| HSV | 169°, 59%, 89% |
| XYZ | 42.8610, 61.6297, 66.1342 |
| YIQ | 184.4970, -71.5640, -35.6600 |

Conversions

Conversions Part 2

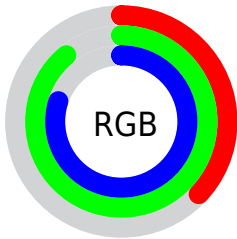
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 94, 167, 227 |
| Decimal | 6218699 |
| CIELab | 82.72, -42.08, 0.82 |
| CIElCh | 83, 42.086, 178.878 |
| Yxy | 61.6297, 0.2512, 0.3612 |
| Android (android.graphics.Color) | 4284408779 (0xFF5EE3CB) |
| YUV | 184.4970, 9.1220, -79.3659 |
| Hunter-Lab | 78.5046, -39.9278, 5.0059 |

Details

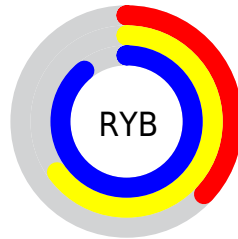
The Yxy color **61.6297, 0.2512, 0.3612** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.6381, 0.4603, 0.3030**, and the grayscale version is **48.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **31.2957, 0.2360, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **60.4112, 0.2458, 0.3677**, and if you desaturate by 10%, it is **63.2109, 0.2585, 0.3549**.

Distribution



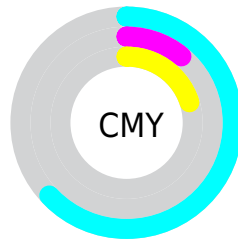
- Red (37%)
- Green (89%)
- Blue (80%)



- Red (37%)
- Yellow (65%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (63%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6297, 0.2512, 0.3612 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 61.6297, 0.2512, 0.3612 by changing the saturation by 10% instead.


 61.6297, 0.2512,
0.3612

 61.6297, 0.2512,
0.3612


430.5791, 0.2803,
0.3459


 44.7336, 0.2444,
0.3648


 107.1902, 0.2614,
0.3558

 31.2476, 0.2359,
0.3693

 136.6233, 0.2654,
0.3537

 20.7875, 0.2251,
0.3750


 171.0042, 0.2688,
0.3520

 12.9687, 0.2108,
0.3827


 210.7172, 0.2717,
0.3504

 7.4070, 0.1911,
0.3932

256.1468, 0.2743,
0.3491

 3.7179, 0.1625,
0.4087

307.6774, 0.2765,

 1.5171, 0.0915,

0.3479

0.4464

365.6934, 0.2785,
0.3468

■ 0.3007, 0.0000,
0.5271

■ 0.0000, 0.0000,
0.0000

■ 61.6297, 0.2512,
0.3612

■ 61.6297, 0.2512,
0.3612

■ 60.4112, 0.2458,
0.3677

■ 63.2109, 0.2585,
0.3549

■ 59.5161, 0.2424,
0.3742


■ 65.1758, 0.2674,
0.3488


■ 58.9093, 0.2409,
0.3808


■ 67.5520, 0.2778,
0.3431


■ 58.5344, 0.2411,
0.3873

■ 70.3626, 0.2893,
0.3378


 58.4897, 0.2412,
0.3882

 73.6290, 0.3016,
0.3329

 77.3713, 0.3145,
0.3284

 81.6082, 0.3277,
0.3244

 82.2457, 0.3265,
0.3204

 82.4862, 0.3238,
0.3164

Harmonies

Analogous

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



61.6297, 0.2973, 0.4079



61.6297, 0.2512, 0.3612



61.6297, 0.2227, 0.3075

Triad

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



61.6297, 0.2512, 0.3612



61.6297, 0.2697, 0.2467



61.6297, 0.4186, 0.3792

Complementary

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



61.6297, 0.2512, 0.3612



25.6381, 0.4603, 0.3030

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.



61.6297, 0.4116, 0.3375



61.6297, 0.2512, 0.3612



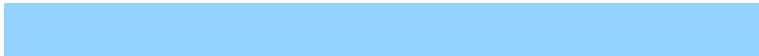
61.6297, 0.3213, 0.2649

Square

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



61.6297, 0.2512, 0.3612



61.6297, 0.2329, 0.2465



61.6297, 0.3747, 0.2971



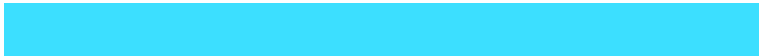
61.6297, 0.3950, 0.4131

Rectangle

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



61.6297, 0.2512, 0.3612



61.6297, 0.2161, 0.2782



61.6297, 0.3747, 0.2971



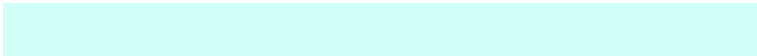
61.6297, 0.4199, 0.3656

Sweetspot

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



61.6321, 0.2512, 0.3612



91.7878, 0.2899, 0.3375



59.6266, 0.3169, 0.5106



19.4023, 0.2864, 0.3390



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.



61.6321, 0.2512, 0.3612



78.3933, 0.2450, 0.3689



42.5705, 0.2275, 0.2705



16.2894, 0.3005, 0.3333



34.1244, 0.2409, 0.3872



2.5334, 0.2383, 0.3777

Inverse Universe

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



25.6381, 0.4603, 0.3030



27.5960, 0.5096, 0.3017



34.7742, 0.4604, 0.3766



14.4103, 0.3264, 0.3248



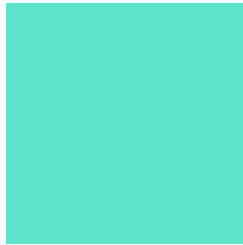
9.6297, 0.6120, 0.3145



0.7240, 0.5734, 0.2932

Previews

White Background



This preview shows how the Yxy color 61.6297, 0.2512, 0.3612 looks on a white background.

Color Contrast Check

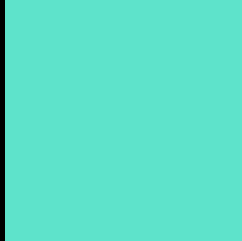
Large Text (above 18pt) WCAG AA × Fail

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 61.6297, 0.2512, 0.3612 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

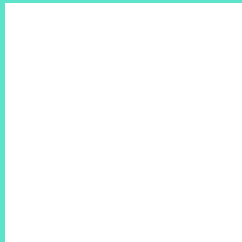
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.6297, 0.2512, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 61.6297, 0.2512, 0.3612.

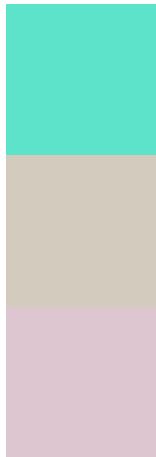


This preview shows how white text looks on a background with the Yxy color 61.6297, 0.2512, 0.3612.

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

61.6297, 0.2512, 0.3612

Protanopia

60.7523, 0.3283, 0.3454

Deuteranopia

60.5212, 0.3235, 0.3167



Tritanopia

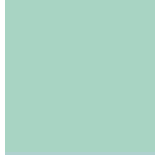
61.7220, 0.2383, 0.3062

Trichromacy



Original Color

61.6297, 0.2512, 0.3612



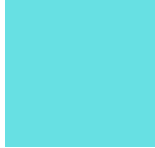
Protanomaly

59.3519, 0.2925, 0.3504



Deuteranomaly

59.2199, 0.2896, 0.3314



Tritanomaly

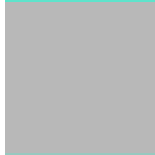
61.7409, 0.2427, 0.3249

Monochromacy



Original Color

61.6297, 0.2512, 0.3612



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.6495, 0.2827, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6297, 0.2512, 0.3612 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(94, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(94, 227, 203)  
}
```

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(94, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 227, 203) }
```

Border

The CSS property to change the border of an element to Yxy 61.6297, 0.2512, 0.3612 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(94, 227, 203) }
```

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

```
.border{ border-color:rgb(94, 227, 203) }
```

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

Here you see how a box with a 4 pixel rgb(94, 227, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(94, 227,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6297, 0.2512, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 227, 203) }
```

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

```
.background{ background-color: rgb(94, 227,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor