

# Converting Colors

$Yxy(61.3538, 0.2626, 0.3644)$

Have a look what the booklet for  
Yxy(61.3538, 0.2626, 0.3644)  
contains.

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# Color

**Yxy(61.1704, 0.2626, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75E0C6
RGB	117, 224, 198
RGB Percent	46%, 88%, 78%
CMY	0.5410, 0.1216, 0.2234
CMYK	0.48, 0.00, 0.12, 0.12
HSL	165°, 63%, 67%
HSV	165°, 48%, 88%
XYZ	44.1908, 61.1704, 62.9205
YIQ	189.0430, -55.4260, -30.7700

# Conversions

## Conversions Part 2

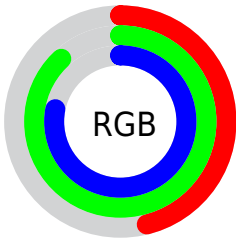
Format	Color
<b>RYB</b>	117, 178, 224
Decimal	7725254
CIELab	82.47, -37.09, 3.19
CIELCh	82, 37.230, 175.086
Yxy	61.1704, 0.2626, 0.3635
Android (android.graphics.Color)	4285915334 (0xFF75E0C6)
YUV	189.0430, 4.4158, -63.1817
Hunter-Lab	78.2115, -36.0147, 7.0497

# Details

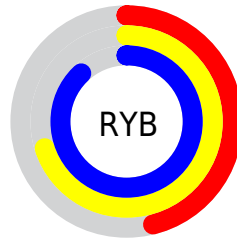
The Yxy color **61.1704, 0.2626, 0.3635** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.5617, 0.4112, 0.2988**, and the grayscale version is **50.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **30.8887, 0.2501, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **59.5553, 0.2557, 0.3722**, and if you desaturate by 10%, it is **63.1706, 0.2711, 0.3552**.

# Distribution



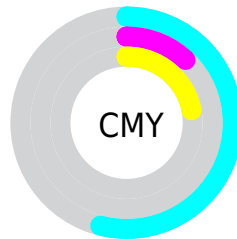
- Red (46%)
- Green (88%)
- Blue (78%)



- Red (46%)
- Yellow (70%)
- Blue (88%)



- Cyan (48%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




- Cyan (54%)
- Magenta (12%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1704, 0.2626, 0.3635 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 61.1704, 0.2626, 0.3635 by changing the saturation by 10% instead.





 61.1704, 0.2626,  
0.3635

 61.1704, 0.2626,  
0.3635


428.8985, 0.2865,  
0.3468


 44.3627, 0.2570,  
0.3675


 106.5256, 0.2710,  
0.3576

 30.9558, 0.2499,  
0.3725


 135.8419, 0.2743,  
0.3553

 20.5652, 0.2408,  
0.3790


 170.0966, 0.2771,  
0.3534

 12.8065, 0.2287,  
0.3879

209.6739, 0.2795,  
0.3517

 7.2955, 0.2117,  
0.4004

254.9584, 0.2816,  
0.3503

 3.6476, 0.1865,  
0.4195

306.3344, 0.2834,

 1.4784, 0.1270,

0.3490

0.4619

364.1863, 0.2851,  
0.3478

0.2735, 0.0000,  
0.7853

0.0000, 0.0000,  
0.0000

61.1704, 0.2626,  
0.3635

61.1704, 0.2626,  
0.3635

59.5553, 0.2557,  
0.3722

63.1706, 0.2711,  
0.3552

58.2910, 0.2506,  
0.3811


65.5729, 0.2809,  
0.3475

57.3493, 0.2475,  
0.3902


68.4020, 0.2918,  
0.3403

56.6943, 0.2464,  
0.3993


71.6787, 0.3034,  
0.3337

 56.2763, 0.2470,  
0.4083


 75.4221, 0.3155,  
0.3277

 56.1974, 0.2473,  
0.4103

 79.6504, 0.3277,  
0.3224

 80.6315, 0.3266,  
0.3171

 80.9527, 0.3229,  
0.3118

 81.2835, 0.3193,  
0.3065

# Harmonies

## Analogous

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



61.1704, 0.3054, 0.4019



61.1704, 0.2626, 0.3635



61.1704, 0.2344, 0.3161

# Triad

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



61.1704, 0.2626, 0.3635



61.1704, 0.2695, 0.2541



61.1704, 0.4075, 0.3701

# Complementary

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



61.1704, 0.2626, 0.3635



30.5617, 0.4112, 0.2988

# 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.



61.1704, 0.3974, 0.3325



61.1704, 0.2626, 0.3635



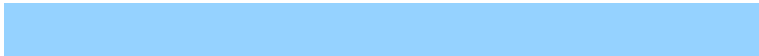
61.1704, 0.3144, 0.2686

# Square

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



61.1704, 0.2626, 0.3635



61.1704, 0.2383, 0.2565



61.1704, 0.3623, 0.2964



61.1704, 0.3901, 0.4013



# Rectangle

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



61.1704, 0.2626, 0.3635



61.1704, 0.2265, 0.2887



61.1704, 0.3623, 0.2964



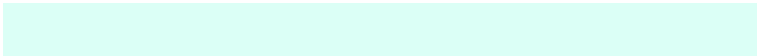
61.1704, 0.4073, 0.3578

# Sweetspot

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



61.1728, 0.2626, 0.3635



93.3009, 0.2960, 0.3378



60.5043, 0.3225, 0.4720



19.7727, 0.2935, 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.



61.1728, 0.2626, 0.3635



79.9646, 0.2559, 0.3719



49.2157, 0.2431, 0.2931



15.5125, 0.3014, 0.3348



32.7309, 0.2469, 0.4089



2.2825, 0.2431, 0.3950



# Inverse Universe

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



30.5617, 0.4112, 0.2988



34.3789, 0.4437, 0.2940



37.0114, 0.4279, 0.3608



13.7548, 0.3254, 0.3233



9.3966, 0.5944, 0.3048



0.6653, 0.5506, 0.2807



# Previews

## White Background



This preview shows how the Yxy color 61.1704, 0.2626, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

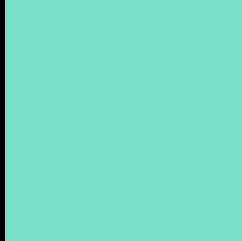
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.1704, 0.2626, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

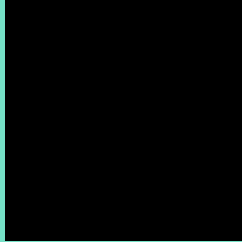
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

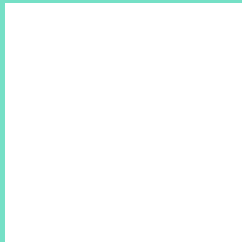
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.1704, 0.2626, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1704, 0.2626, 0.3635.



This preview shows how white text looks on a background with the Yxy color 61.1704, 0.2626, 0.3635.

# 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

61.1704, 0.2626, 0.3635

### Protanopia

60.2968, 0.3315, 0.3477

### Deuteranopia

60.1394, 0.3290, 0.3212



## Tritanopia

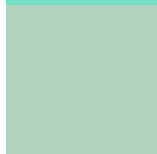
61.3084, 0.2478, 0.3077

# Trichromacy



## Original Color

61.1704, 0.2626, 0.3635



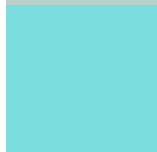
## Protanomaly

59.6972, 0.3014, 0.3539



## Deuteranomaly

59.2042, 0.2998, 0.3351



## Tritanomaly

61.2719, 0.2531, 0.3275

# Monochromacy



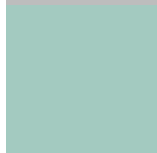
## Original Color

61.1704, 0.2626, 0.3635



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.8334, 0.2906, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1704, 0.2626, 0.3635 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(117, 224, 198)` looks like.

```
.text, #text, p{  
    color:rgb(117, 224, 198)  
}
```

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(117, 224, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 224, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1704, 0.2626, 0.3635 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(117, 224, 198) }
```

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

```
.border{ border-color:rgb(117, 224, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 224, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 224, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 224, 198); box-shadow:4px 4px 4px 4px rgb(117, 224, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1704, 0.2626, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 224, 198) }
```

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

```
.background{ background-color: rgb(117,  
224, 198) }
```

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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