

Converting Colors

$Yxy(62.3419, 0.2688, 0.3386)$

Have a look what the booklet for
Yxy(62.3419, 0.2688, 0.3386)
contains.

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Color

Yxy(62.5367, 0.2685, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	91DDD5
RGB	145, 221, 213
RGB Percent	57%, 87%, 84%
CMY	0.4317, 0.1333, 0.1647
CMYK	0.34, 0.00, 0.04, 0.13
HSL	174°, 53%, 72%
HSV	174°, 34%, 87%
XYZ	49.5313, 62.5367, 72.4061
YIQ	197.3640, -42.7280, -18.6000

Conversions

Conversions Part 2

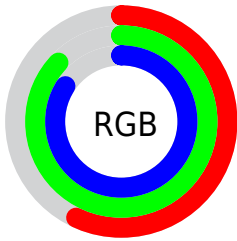
Format	Color
R_{YB}	145, 185, 221
Decimal	9559509
CIE _{Lab}	83.20, -25.22, -3.54
CIE _{LCh}	83, 25.463, 187.988
Yxy	62.5367, 0.2685, 0.3390
Android (android.graphics.Color)	4287749589 (0xFF91DDD5)
YUV	197.3640, 7.7085, -45.9232
Hunter-Lab	79.0801, -26.5881, 1.0700

Details

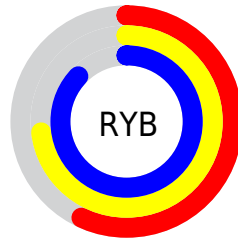
The Yxy color **62.5367, 0.2685, 0.3390** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.8976, 0.3852, 0.3195**, and the grayscale version is **56.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **31.9147, 0.2578, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **60.6069, 0.2583, 0.3424**, and if you desaturate by 10%, it is **64.8637, 0.2801, 0.3358**.

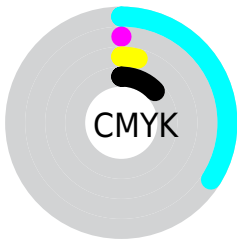
Distribution



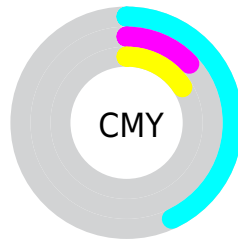
- Red (57%)
- Green (87%)
- Blue (84%)



- Red (57%)
- Yellow (73%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)




- Cyan (43%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5367, 0.2685, 0.3390 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 62.5367, 0.2685, 0.3390 by changing the saturation by 10% instead.


 62.5367, 0.2685,
0.3390


 62.5367, 0.2685,
0.3390


433.8861, 0.2893,
0.3345

 45.4665, 0.2637,
0.3400


 108.5008, 0.2758,
0.3375

 31.8250, 0.2576,
0.3412


 138.1636, 0.2786,
0.3369

 21.2279, 0.2499,
0.3427


172.7926, 0.2810,
0.3363

 13.2907, 0.2397,
0.3446

212.7723, 0.2831,
0.3359

 7.6290, 0.2257,
0.3471

258.4872, 0.2850,
0.3355

 3.8585, 0.2051,
0.3504

310.3215, 0.2866,

 1.5947, 0.1719,

0.3351

368.6597, 0.2880,
0.3348

0.3546

0.3540, 0.0000,
0.3587

0.0000, 0.0000,
0.0000

62.5367, 0.2685,
0.3390

62.5367, 0.2685,
0.3390

60.6069, 0.2583,
0.3424

64.8637, 0.2801,
0.3358

59.0439, 0.2497,
0.3459

67.6013, 0.2929,
0.3329

57.8253, 0.2429,
0.3495

70.7715, 0.3065,
0.3301

56.9228, 0.2381,
0.3531

74.3923, 0.3206,
0.3277

■ 56.3036, 0.2352,
0.3568

■ 78.4006, 0.3347,
0.3254

■ 55.9278, 0.2341,
0.3604

■ 78.5284, 0.3331,
0.3231

■ 55.7874, 0.2340,
0.3624

■ 78.6580, 0.3315,
0.3208

■ 78.7893, 0.3299,
0.3185

■ 78.9224, 0.3283,
0.3162

Harmonies

Analogous

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



62.5367, 0.2949, 0.3679



62.5367, 0.2685, 0.3390



62.5367, 0.2540, 0.3087

Triad

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



62.5367, 0.2685, 0.3390



62.5367, 0.2960, 0.2795



62.5367, 0.3743, 0.3686

Complementary

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



62.5367, 0.2685, 0.3390



37.8976, 0.3852, 0.3195

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.



62.5367, 0.3752, 0.3440



62.5367, 0.2685, 0.3390



62.5367, 0.3286, 0.2943

Square

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



62.5367, 0.2685, 0.3390



62.5367, 0.2692, 0.2763



62.5367, 0.3582, 0.3173



62.5367, 0.3563, 0.3843

Rectangle

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



62.5367, 0.2685, 0.3390



62.5367, 0.2525, 0.2925



62.5367, 0.3582, 0.3173



62.5367, 0.3767, 0.3611

Sweetspot

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



62.5392, 0.2685, 0.3390



95.3084, 0.2987, 0.3316



60.6149, 0.3139, 0.4299



20.2695, 0.2968, 0.3320



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.



62.5392, 0.2685, 0.3390



84.5769, 0.2613, 0.3413



48.8651, 0.2592, 0.2909



14.8047, 0.2996, 0.3315



32.4112, 0.2339, 0.3619



2.1067, 0.2322, 0.3559

Inverse Universe

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



37.8976, 0.3852, 0.3195



45.8066, 0.4071, 0.3177



47.7230, 0.3819, 0.3639



13.0737, 0.3275, 0.3266



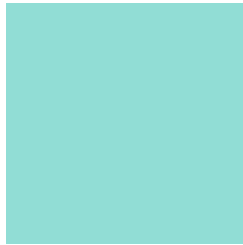
8.9745, 0.6270, 0.3228



0.5891, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 62.5367, 0.2685, 0.3390 looks on a white background.

Color Contrast Check

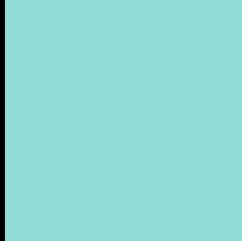
Large Text (above 18pt) WCAG AA × Fail

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 62.5367, 0.2685, 0.3390 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 62.5367, 0.2685, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 62.5367, 0.2685, 0.3390.

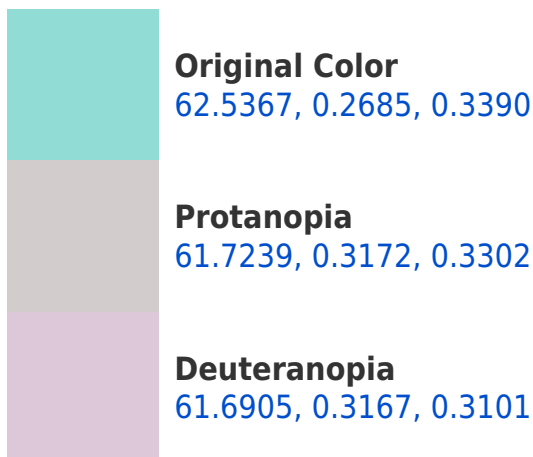


This preview shows how white text looks on a background with the Yxy color 62.5367, 0.2685, 0.3390.

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

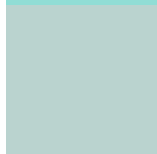
62.6250, 0.2591, 0.3082

Trichromacy



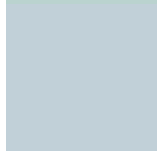
Original Color

62.5367, 0.2685, 0.3390



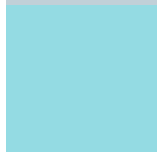
Protanomaly

61.5326, 0.2973, 0.3338



Deuteranomaly

61.4071, 0.2963, 0.3196



Tritanomaly

62.5050, 0.2624, 0.3190

Monochromacy



Original Color

62.5367, 0.2685, 0.3390



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

57.9194, 0.2941, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5367, 0.2685, 0.3390 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(145, 221, 213)` looks like.

```
.text, #text, p{  
    color:rgb(145, 221, 213)  
}
```

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(145, 221, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 221, 213) }
```

Border

The CSS property to change the border of an element to Yxy 62.5367, 0.2685, 0.3390 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(145, 221, 213) }
```

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

```
.border{ border-color:rgb(145, 221, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 221, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 221, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 221, 213);  
box-shadow:4px 4px 4px 4px rgb(145, 221,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5367, 0.2685, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 221, 213) }
```

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

```
.background{ background-color: rgb(145,  
221, 213) }
```

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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