

Converting Colors

$Yxy(65.3133, 0.2611, 0.3162)$

Have a look what the booklet for
Yxy(65.3133, 0.2611, 0.3162)
contains.

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Color

Yxy(65.2952, 0.2610, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	97DFEA
RGB	151, 223, 234
RGB Percent	59%, 87%, 92%
CMY	0.4079, 0.1255, 0.0824
CMYK	0.35, 0.05, 0.00, 0.08
HSL	188°, 66%, 75%
HSV	188°, 35%, 92%
XYZ	53.9989, 65.2952, 87.5982
YIQ	202.7260, -46.4430, -11.8430

Conversions

Conversions Part 2

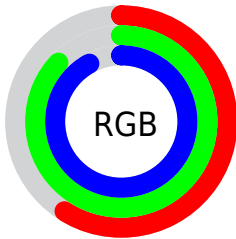
Format	Color
RYB	151, 190, 234
Decimal	9953258
CIELab	84.64, -19.66, -12.50
CIElCh	85, 23.300, 212.452
Yxy	65.2952, 0.2610, 0.3156
Android (android.graphics.Color)	4288143338 (0xFF97DFEA)
YUV	202.7260, 15.4181, -45.3637
Hunter-Lab	80.8054, -22.1255, -7.7103

Details

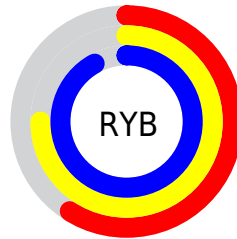
The Yxy color **65.2952, 0.2610, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5596, 0.3934, 0.3418**, and the grayscale version is **59.4630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **33.7064, 0.2492, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **61.6362, 0.2487, 0.3112**, and if you desaturate by 10%, it is **69.4340, 0.2745, 0.3197**.

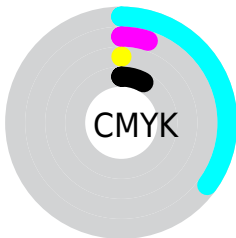
Distribution



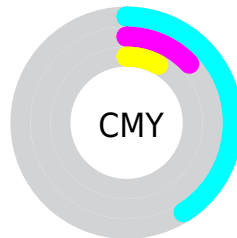
- Red (59%)
- Green (87%)
- Blue (92%)



- Red (59%)
- Yellow (75%)
- Blue (92%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)




- Cyan (41%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2952, 0.2610, 0.3156 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 65.2952, 0.2610, 0.3156 by changing the saturation by 10% instead.


 65.2952, 0.2610,
0.3156

 65.2952, 0.2610,
0.3156


443.8520, 0.2850,
0.3224

 47.7005, 0.2555,
0.3139


 112.4742, 0.2693,
0.3181

 33.5898, 0.2488,
0.3117


 142.8272, 0.2725,
0.3190

 22.5786, 0.2403,
0.3089


178.2018, 0.2753,
0.3198

 14.2827, 0.2292,
0.3049

218.9823, 0.2778,
0.3205

 8.3175, 0.2142,
0.2991

265.5533, 0.2799,
0.3210

 4.2988, 0.1929,
0.2901

318.2989, 0.2818,

 1.8421, 0.1607,

0.3216

0.2743

377.6037, 0.2834,
0.3220

■ 0.5132, 0.0038,
0.2523

■ 0.0000, 0.0000,
0.0000

■ 65.2952, 0.2610,
0.3156

■ 65.2952, 0.2610,
0.3156

■ 61.6362, 0.2487,
0.3112

■ 69.4340, 0.2745,
0.3197

■ 58.4225, 0.2380,
0.3067

■ 74.0692, 0.2891,
0.3236

■ 55.6276, 0.2291,
0.3020

■ 79.2261, 0.3042,
0.3272

■ 53.2181, 0.2221,
0.2973

■ 84.9258, 0.3198,
0.3304

■ 51.1555, 0.2171,
0.2926

■ 88.6416, 0.3266,
0.3335

■ 49.3923, 0.2138,
0.2880

■ 90.4666, 0.3263,
0.3365

■ 48.6588, 0.2128,
0.2859

■ 92.3228, 0.3260,
0.3395

■ 94.2104, 0.3257,
0.3424

■ 96.1296, 0.3254,
0.3454

Harmonies

Analogous

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



65.2952, 0.2765, 0.3433



65.2952, 0.2610, 0.3156



65.2952, 0.2587, 0.2935

Triad

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



65.2952, 0.2610, 0.3156



65.2952, 0.3217, 0.2943



65.2952, 0.3561, 0.3773

Complementary

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



65.2952, 0.2610, 0.3156



45.5596, 0.3934, 0.3418

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.



65.2952, 0.3697, 0.3613



65.2952, 0.2610, 0.3156



65.2952, 0.3494, 0.3143

Square

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



65.2952, 0.2610, 0.3156



65.2952, 0.2926, 0.2827



65.2952, 0.3673, 0.3383



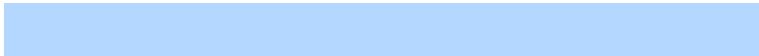
65.2952, 0.3311, 0.3803

Rectangle

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



65.2952, 0.2610, 0.3156



65.2952, 0.2647, 0.2845



65.2952, 0.3673, 0.3383



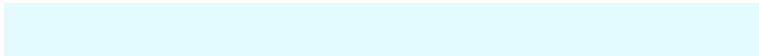
65.2952, 0.3622, 0.3731

Sweetspot

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



65.2978, 0.2610, 0.3156



92.7157, 0.2957, 0.3252



67.9854, 0.3023, 0.4231



19.6646, 0.2936, 0.3247



0.0000, 0.0000, 0.0000



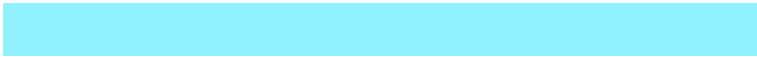
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2978, 0.2610, 0.3156



75.8747, 0.2514, 0.3122



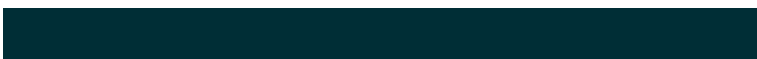
46.3063, 0.2540, 0.2642



16.7618, 0.2981, 0.3258



27.4776, 0.2130, 0.2866



2.2522, 0.2147, 0.2931

Inverse Universe

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



44.9493, 0.3264, 0.2516



47.9378, 0.3300, 0.2354



62.0511, 0.3774, 0.3859



15.2774, 0.3158, 0.3088



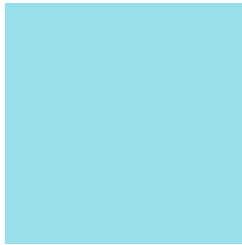
12.2667, 0.3574, 0.1742



0.9728, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 65.2952, 0.2610, 0.3156 looks on a white background.

Color Contrast Check

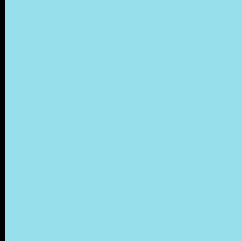
Large Text (above 18pt) WCAG AA × Fail

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 65.2952, 0.2610, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

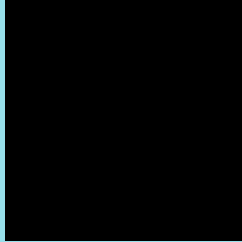
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2952, 0.2610, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 65.2952, 0.2610, 0.3156.

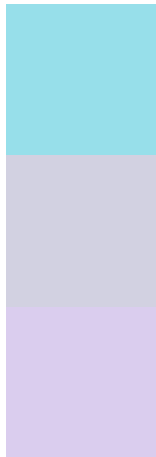


This preview shows how white text looks on a background with the Yxy color 65.2952, 0.2610, 0.3156.

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

65.2952, 0.2610, 0.3156

Protanopia

64.7388, 0.3026, 0.3111

Deuteranopia

64.7411, 0.2997, 0.2932



Tritanopia

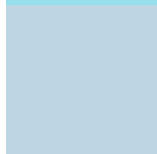
65.2092, 0.2583, 0.3074

Trichromacy



Original Color

65.2952, 0.2610, 0.3156



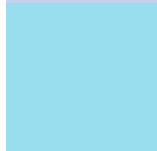
Protanomaly

64.5134, 0.2862, 0.3127



Deuteranomaly

64.6707, 0.2839, 0.3006



Tritanomaly

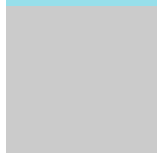
65.0910, 0.2593, 0.3097

Monochromacy



Original Color

65.2952, 0.2610, 0.3156



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.1386, 0.2913, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2952, 0.2610, 0.3156 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(151, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(151, 223, 234)  
}
```

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(151, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 223, 234) }
```

Border

The CSS property to change the border of an element to Yxy 65.2952, 0.2610, 0.3156 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(151, 223, 234) }
```

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

```
.border{ border-color:rgb(151, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 223, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 223, 234); box-shadow:4px 4px 4px 4px rgb(151, 223, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2952, 0.2610, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 223, 234) }
```

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

```
.background{ background-color: rgb(151,  
223, 234) }
```

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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