

Converting Colors

$Yxy(63.6187, 0.2696, 0.3415)$

Have a look what the booklet for
Yxy(63.6187, 0.2696, 0.3415)
contains.

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Color

Yxy(63.6904, 0.2694, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	92DFD5
RGB	146, 223, 213
RGB Percent	57%, 87%, 84%
CMY	0.4273, 0.1255, 0.1646
CMYK	0.35, 0.00, 0.04, 0.13
HSL	172°, 55%, 72%
HSV	172°, 35%, 87%
XYZ	50.2583, 63.6904, 72.6078
YIQ	198.8370, -42.6820, -19.4340

Conversions

Conversions Part 2

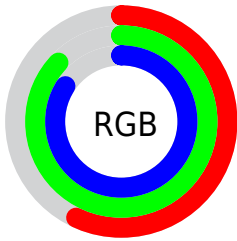
Format	Color
R_{YB}	146, 187, 223
Decimal	9625557
CIE _{Lab}	83.80, -25.87, -2.66
CIE _{LCh}	84, 26.006, 185.860
Y _{xy}	63.6904, 0.2694, 0.3414
Android (android.graphics.Color)	4287815637 (0xFF92DFD5)
YUV	198.8370, 6.9824, -46.3380
Hunter-Lab	79.8063, -27.2498, 1.9223

Details

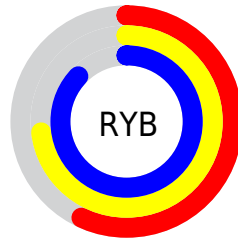
The Yxy color **63.6904, 0.2694, 0.3414** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.6573, 0.3835, 0.3173**, and the grayscale version is **56.9911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **32.6980, 0.2590, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **61.6986, 0.2594, 0.3456**, and if you desaturate by 10%, it is **66.0885, 0.2808, 0.3375**.

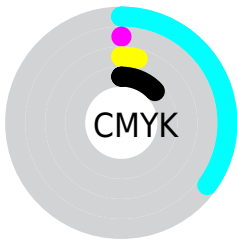
Distribution



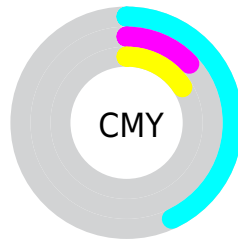
- Red (57%)
- Green (87%)
- Blue (84%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6904, 0.2694, 0.3414 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 63.6904, 0.2694, 0.3414 by changing the saturation by 10% instead.


 63.6904, 0.2694,
0.3414


 63.6904, 0.2694,
0.3414


438.0708, 0.2898,
0.3357

 46.4000, 0.2647,
0.3427


 110.1649, 0.2765,
0.3394

 32.5616, 0.2588,
0.3443


 140.1178, 0.2793,
0.3387

 21.7908, 0.2513,
0.3462

175.0603, 0.2816,
0.3380

 13.7032, 0.2414,
0.3488

215.3768, 0.2837,
0.3374

 7.9146, 0.2277,
0.3522

261.4517, 0.2855,
0.3369

 4.0403, 0.2077,
0.3569

313.6694, 0.2871,

 1.6961, 0.1760,

0.3365

372.4143, 0.2885,
0.3361

0.3636

0.4212, 0.0000,
0.3953

0.0000, 0.0000,
0.0000

63.6904, 0.2694,
0.3414

63.6904, 0.2694,
0.3414

61.6986, 0.2594,
0.3456

66.0885, 0.2808,
0.3375

60.0822, 0.2510,
0.3500

68.9067, 0.2933,
0.3338

58.8180, 0.2444,
0.3544

72.1674, 0.3065,
0.3304

57.8772, 0.2398,
0.3590

75.8892, 0.3203,
0.3274

■ 57.2262, 0.2371,
0.3636

■ 79.6057, 0.3326,
0.3246

■ 56.8241, 0.2362,
0.3681

■ 79.7671, 0.3306,
0.3217

■ 56.6725, 0.2363,
0.3706

■ 79.9312, 0.3286,
0.3189

■ 80.0981, 0.3266,
0.3160

■ 80.2676, 0.3247,
0.3132

Harmonies

Analogous

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



63.6904, 0.2968, 0.3703



63.6904, 0.2694, 0.3414



63.6904, 0.2537, 0.3104

Triad

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



63.6904, 0.2694, 0.3414



63.6904, 0.2935, 0.2782



63.6904, 0.3760, 0.3676

Complementary

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



63.6904, 0.2694, 0.3414



38.6573, 0.3835, 0.3173

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.



63.6904, 0.3755, 0.3423



63.6904, 0.2694, 0.3414



63.6904, 0.3265, 0.2924

Square

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



63.6904, 0.2694, 0.3414



63.6904, 0.2670, 0.2758



63.6904, 0.3571, 0.3153



63.6904, 0.3587, 0.3845

Rectangle

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



63.6904, 0.2694, 0.3414



63.6904, 0.2515, 0.2935



63.6904, 0.3571, 0.3153



63.6904, 0.3779, 0.3597

Sweetspot

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



63.6930, 0.2694, 0.3414



95.2693, 0.2991, 0.3323



61.9476, 0.3147, 0.4300



20.2600, 0.2972, 0.3327



0.0000, 0.0000, 0.0000



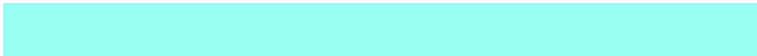
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6930, 0.2694, 0.3414



84.4244, 0.2624, 0.3442



50.3727, 0.2593, 0.2925



15.5402, 0.2999, 0.3320



33.3357, 0.2361, 0.3699



2.3193, 0.2341, 0.3629

Inverse Universe

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



38.6573, 0.3835, 0.3173



45.8970, 0.4044, 0.3150



48.1348, 0.3827, 0.3626



13.7293, 0.3272, 0.3260



9.2854, 0.6229, 0.3205



0.6531, 0.5882, 0.3014

Previews

White Background



This preview shows how the Yxy color 63.6904, 0.2694, 0.3414 looks on a white background.

Color Contrast Check

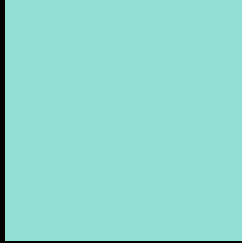
Large Text (above 18pt) WCAG AA × Fail

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 63.6904, 0.2694, 0.3414 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

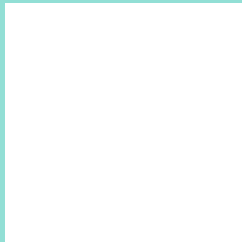
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6904, 0.2694, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 63.6904, 0.2694, 0.3414.

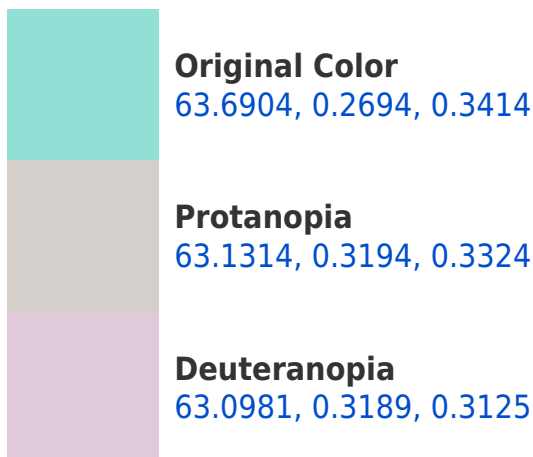


This preview shows how white text looks on a background with the Yxy color 63.6904, 0.2694, 0.3414.

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

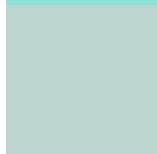
63.4529, 0.2593, 0.3072

Trichromacy



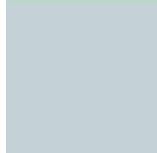
Original Color

63.6904, 0.2694, 0.3414



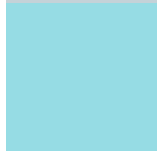
Protanomaly

62.9123, 0.2994, 0.3361



Deuteranomaly

62.7868, 0.2985, 0.3220



Tritanomaly

63.2719, 0.2631, 0.3191

Monochromacy



Original Color

63.6904, 0.2694, 0.3414



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.1747, 0.2949, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6904, 0.2694, 0.3414 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(146, 223, 213)` looks like.

```
.text, #text, p{  
    color:rgb(146, 223, 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(146, 223, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 223, 213) }
```

Border

The CSS property to change the border of an element to Yxy 63.6904, 0.2694, 0.3414 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(146, 223, 213) }
```

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

```
.border{ border-color:rgb(146, 223, 213) }
```

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

Here you see how a box with a 4 pixel rgb(146, 223, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 223, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 223, 213);  
box-shadow:4px 4px 4px 4px rgb(146, 223,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6904, 0.2694, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 223, 213) }
```

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

```
.background{ background-color: rgb(146,  
223, 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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