

Converting Colors

$Y_{xy}(45.7514, 0.2816, 0.3141)$

Have a look what the booklet for
Yxy(45.7514, 0.2816, 0.3141)
contains.

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Color

Yxy(45.7514, 0.2816, 0.3141)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9CB9C4 |
| RGB | 156, 185, 196 |
| RGB Percent | 61%, 73%, 77% |
| CMY | 0.3884, 0.2745, 0.2314 |
| CMYK | 0.20, 0.06, 0.00, 0.23 |
| HSL | 196°, 25%, 69% |
| HSV | 196°, 20%, 77% |
| XYZ | 41.0175, 45.7514, 58.8898 |
| YIQ | 177.5830, -20.8150, -2.7270 |

Conversions

Conversions Part 2

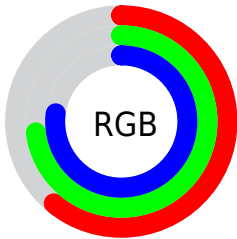
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 156, 173, 196 |
| Decimal | 10271172 |
| CIE Lab | 73.38, -7.43, -8.84 |
| CIE LCh | 73, 11.549, 229.953 |
| Yxy | 45.7514, 0.2816, 0.3141 |
| Android (android.graphics.Color) | 4288461252 (0xFF9CB9C4) |
| YUV | 177.5830, 9.0796, -18.9283 |
| Hunter-Lab | 67.6398, -10.1253, -4.2723 |

Details

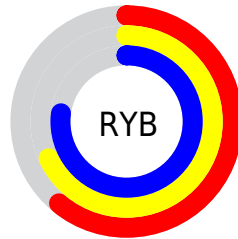
The Yxy color **45.7514, 0.2816, 0.3141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7531, 0.3502, 0.3434**, and the grayscale version is **44.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8513, 0.2870, 0.3164**, and **21.3986, 0.2732, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **41.7460, 0.2668, 0.3058**, and if you desaturate by 10%, it is **50.1612, 0.2968, 0.3218**.

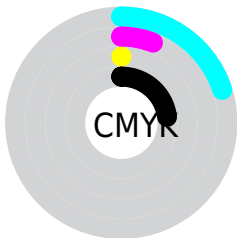
Distribution



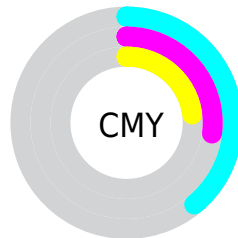
- Red (61%)
- Green (73%)
- Blue (77%)



- Red (61%)
- Yellow (68%)
- Blue (77%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)





- Cyan (39%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7514, 0.2816, 0.3141 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 45.7514, 0.2816, 0.3141 by changing the saturation by 10% instead.


 45.7514, 0.2816,
0.3141


 45.7514, 0.2816,
0.3141


369.8083, 0.2971,
0.3217

 32.0497, 0.2778,
0.3121


 83.8468, 0.2872,
0.3169

 21.3995, 0.2729,
0.3096


 109.0093, 0.2893,
0.3180

 13.4163, 0.2664,
0.3062


138.7609, 0.2911,
0.3188

 7.7158, 0.2574,
0.3013

173.4859, 0.2926,
0.3196

 3.9137, 0.2442,
0.2939

213.5687, 0.2939,
0.3202

 1.6254, 0.2229,
0.2811

259.3938, 0.2951,

 0.3746, 0.1108,

0.3208

0.2376

311.3455, 0.2961,
0.3213

0.0000, 0.0000,
0.0000

45.7514, 0.2816,
0.3141

45.7514, 0.2816,
0.3141

41.7460, 0.2668,
0.3058

50.1612, 0.2968,
0.3218

38.1232, 0.2527,
0.2968

54.9846, 0.3121,
0.3287

34.8676, 0.2396,
0.2873

60.2378, 0.3272,
0.3350

31.9605, 0.2279,
0.2774

65.9340, 0.3420,
0.3406

29.3808, 0.2178,
0.2672

72.0862, 0.3563,
0.3455

■ 27.1048, 0.2097,
0.2569

■ 75.0138, 0.3559,
0.3509

■ 25.1047, 0.2035,
0.2466

■ 77.8360, 0.3547,
0.3562

■ 23.3974, 0.1991,
0.2369

■ 80.7494, 0.3535,
0.3615

■ 83.7548, 0.3523,
0.3668

Harmonies

Analogous

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



45.7514, 0.2863, 0.3282



45.7514, 0.2816, 0.3141



45.7514, 0.2849, 0.3045

Triad

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



45.7514, 0.2816, 0.3141



45.7514, 0.3273, 0.3155



45.7514, 0.3296, 0.3576

Complementary

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



45.7514, 0.2816, 0.3141



41.7531, 0.3502, 0.3434

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.



45.7514, 0.3411, 0.3533



45.7514, 0.2816, 0.3141



45.7514, 0.3398, 0.3289

Square

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



45.7514, 0.2816, 0.3141



45.7514, 0.3110, 0.3057



45.7514, 0.3449, 0.3426



45.7514, 0.3138, 0.3539

Rectangle

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



45.7514, 0.2816, 0.3141



45.7514, 0.2913, 0.3018



45.7514, 0.3449, 0.3426



45.7514, 0.3341, 0.3570

Sweetspot

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



45.7533, 0.2816, 0.3141



94.5637, 0.3034, 0.3249



49.3190, 0.3026, 0.3695



20.1175, 0.3024, 0.3244



0.0000, 0.0000, 0.0000



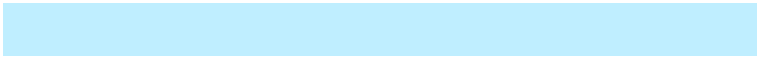
21.4041, 0.3127, 0.3290

Same Dimension

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



45.7533, 0.2816, 0.3141



79.1927, 0.2742, 0.3100



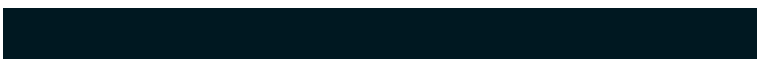
38.0711, 0.2798, 0.2866



10.9460, 0.2984, 0.3225



15.1844, 0.1995, 0.2383



0.7662, 0.2058, 0.2609

Inverse Universe

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



39.0043, 0.3250, 0.2920



64.7750, 0.3286, 0.2827



49.5287, 0.3453, 0.3681



10.1988, 0.3179, 0.3124



8.8151, 0.4040, 0.1999



0.3920, 0.3815, 0.1875

Previews

White Background



This preview shows how the Yxy color 45.7514, 0.2816, 0.3141 looks on a white background.

Color Contrast Check

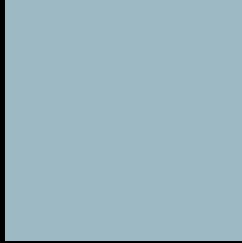
Large Text (above 18pt) WCAG AA × Fail

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 45.7514, 0.2816, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

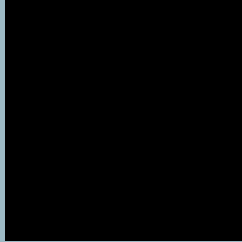
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

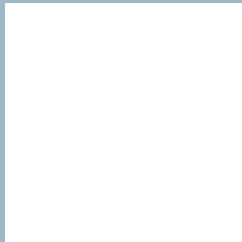
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7514, 0.2816, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 45.7514, 0.2816, 0.3141.

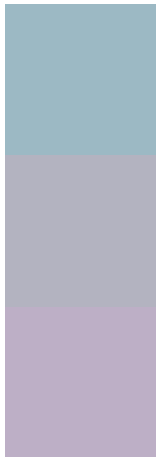


This preview shows how white text looks on a background with the Yxy color 45.7514, 0.2816, 0.3141.

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

45.7514, 0.2816, 0.3141

Protanopia

45.6297, 0.3025, 0.3121

Deuteranopia

45.5560, 0.3063, 0.3000



Tritanopia

45.5726, 0.2802, 0.3088

Trichromacy



Original Color

45.7514, 0.2816, 0.3141

Protanomaly

45.5559, 0.2952, 0.3131

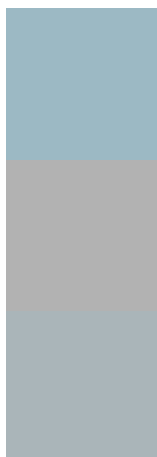
Deuteranomaly

45.6185, 0.2970, 0.3057

Tritanomaly

45.5263, 0.2809, 0.3101

Monochromacy



Original Color

45.7514, 0.2816, 0.3141

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0966, 0.3004, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7514, 0.2816, 0.3141 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(156, 185, 196)` looks like.

```
.text, #text, p{  
    color:rgb(156, 185, 196)  
}
```

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(156, 185, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 185, 196) }
```

Border

The CSS property to change the border of an element to Yxy 45.7514, 0.2816, 0.3141 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(156, 185, 196) }
```

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

```
.border{ border-color:rgb(156, 185, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 185, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 185, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 185, 196); box-shadow:4px 4px 4px 4px rgb(156, 185, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7514, 0.2816, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 185, 196) }
```

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

```
.background{ background-color: rgb(156,  
185, 196) }
```

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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