

Converting Colors

$Y_{xy}(50.9733, 0.2753, 0.3120)$

Have a look what the booklet for
Yxy(50.9733, 0.2753, 0.3120)
contains.

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Color

Yxy(50.7524, 0.2754, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	9DC3D0
RGB	157, 195, 208
RGB Percent	62%, 76%, 82%
CMY	0.3845, 0.2352, 0.1843
CMYK	0.25, 0.06, 0.00, 0.18
HSL	195°, 35%, 72%
HSV	195°, 25%, 82%
XYZ	44.7988, 50.7524, 67.1168
YIQ	185.1200, -26.8210, -4.0130

Conversions

Conversions Part 2

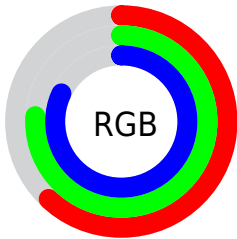
Format	Color
RYB	157, 179, 208
Decimal	10339280
CIELab	76.53, -9.71, -10.68
CIELCh	77, 14.436, 227.705
Yxy	50.7524, 0.2754, 0.3120
Android (android.graphics.Color)	4288529360 (0xFF9DC3D0)
YUV	185.1200, 11.2798, -24.6612
Hunter-Lab	71.2407, -12.4240, -5.9894

Details

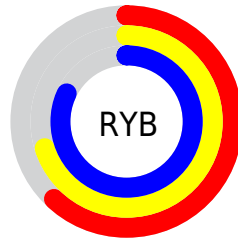
The Yxy color **50.7524, 0.2754, 0.3120** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5755, 0.3600, 0.3454**, and the grayscale version is **48.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8379, 0.2870, 0.3258**, and **24.3259, 0.2648, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **46.5067, 0.2609, 0.3040**, and if you desaturate by 10%, it is **55.4426, 0.2904, 0.3194**.

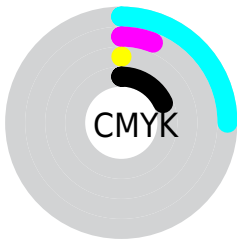
Distribution



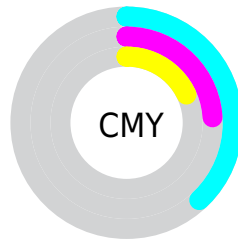
- Red (62%)
- Green (76%)
- Blue (82%)



- Red (62%)
- Yellow (70%)
- Blue (82%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7524, 0.2754, 0.3120 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 50.7524, 0.2754, 0.3120 by changing the saturation by 10% instead.


 50.7524, 0.2754,
0.3120

 50.7524, 0.2754,
0.3120

389.6010, 0.2936,
0.3206

 36.0116, 0.2710,
0.3098


 91.2887, 0.2819,
0.3151

 24.4432, 0.2655,
0.3070


 117.8529, 0.2844,
0.3163

 15.6627, 0.2582,
0.3033


149.1271, 0.2865,
0.3173

 9.2858, 0.2484,
0.2981

185.4957, 0.2883,
0.3182

 4.9280, 0.2344,
0.2903

227.3429, 0.2899,
0.3189

 2.2051, 0.2127,
0.2775

275.0533, 0.2912,

 0.7228, 0.1592,

0.3195

0.2558

329.0112, 0.2925,
0.3201

0.0000, 0.0000,
0.0000

50.7524, 0.2754,
0.3120

50.7524, 0.2754,
0.3120

46.5067, 0.2609,
0.3040

55.4426, 0.2904,
0.3194

42.6803, 0.2474,
0.2955

60.5886, 0.3057,
0.3261

39.2548, 0.2350,
0.2865

66.2091, 0.3210,
0.3322

36.2078, 0.2243,
0.2772

72.3196, 0.3361,
0.3377

33.5140, 0.2153,
0.2677

77.7874, 0.3464,
0.3427

■ 31.1442, 0.2083,
0.2582

■ 80.6362, 0.3454,
0.3480

■ 29.0634, 0.2032,
0.2487

■ 83.5741, 0.3445,
0.3532

■ 28.0167, 0.2010,
0.2436

■ 86.6019, 0.3436,
0.3584

■ 89.7203, 0.3426,
0.3635

Harmonies

Analogous

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



50.7524, 0.2817, 0.3293



50.7524, 0.2754, 0.3120



50.7524, 0.2787, 0.3001

Triad

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



50.7524, 0.2754, 0.3120



50.7524, 0.3288, 0.3117



50.7524, 0.3343, 0.3636

Complementary

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



50.7524, 0.2754, 0.3120



44.5755, 0.3600, 0.3454

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.



50.7524, 0.3477, 0.3575



50.7524, 0.2754, 0.3120



50.7524, 0.3446, 0.3275

Square

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



50.7524, 0.2754, 0.3120



50.7524, 0.3091, 0.3004



50.7524, 0.3515, 0.3441



50.7524, 0.3154, 0.3600

Rectangle

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



50.7524, 0.2754, 0.3120



50.7524, 0.2859, 0.2965



50.7524, 0.3515, 0.3441



50.7524, 0.3396, 0.3626

Sweetspot

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



50.7545, 0.2754, 0.3120



93.9052, 0.3019, 0.3245



55.1728, 0.3011, 0.3803



19.9909, 0.3009, 0.3241



0.0000, 0.0000, 0.0000



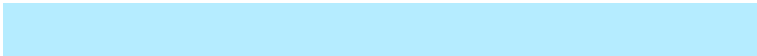
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7545, 0.2754, 0.3120



77.1411, 0.2684, 0.3082



40.3616, 0.2725, 0.2777



12.8762, 0.2983, 0.3229



17.6211, 0.2014, 0.2449



1.1083, 0.2062, 0.2622

Inverse Universe

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



41.4503, 0.3271, 0.2830



60.3944, 0.3306, 0.2737



54.9856, 0.3529, 0.3755



11.9555, 0.3176, 0.3118



9.8501, 0.3973, 0.1962



0.5632, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 50.7524, 0.2754, 0.3120 looks on a white background.

Color Contrast Check

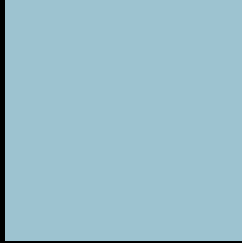
Large Text (above 18pt) WCAG AA × Fail

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 50.7524, 0.2754, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

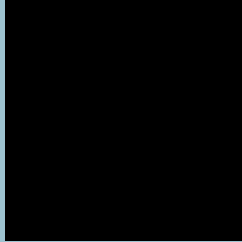
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

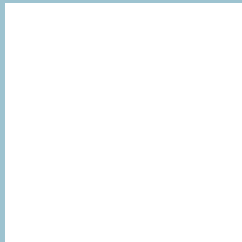
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7524, 0.2754, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 50.7524, 0.2754, 0.3120.



This preview shows how white text looks on a background with the Yxy color 50.7524, 0.2754, 0.3120.

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

50.7524, 0.2754, 0.3120

Protanopia

50.4172, 0.3007, 0.3091

Deuteranopia

50.2559, 0.3027, 0.2964



Tritanopia

50.8515, 0.2742, 0.3095

Trichromacy



Original Color

50.7524, 0.2754, 0.3120

Protanomaly

50.4648, 0.2908, 0.3100

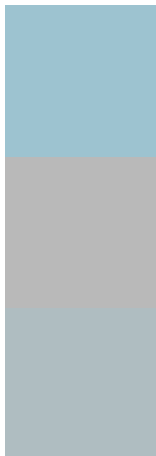
Deuteranomaly

50.0892, 0.2924, 0.3016

Tritanomaly

50.8018, 0.2748, 0.3107

Monochromacy



Original Color

50.7524, 0.2754, 0.3120

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.3594, 0.2985, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7524, 0.2754, 0.3120 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(157, 195, 208)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 208)  
}
```

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(157, 195, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 208) }
```

Border

The CSS property to change the border of an element to Yxy 50.7524, 0.2754, 0.3120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

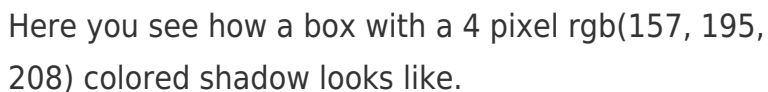
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 195, 208) }
```

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

```
.border{ border-color:rgb(157, 195, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 195, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 195, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 195, 208); box-shadow:4px 4px 4px 4px rgb(157, 195, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7524, 0.2754, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 208) }
```

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

```
.background{ background-color: rgb(157,  
195, 208) }
```

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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