

Converting Colors

$Yxy(50.0079, 0.2762, 0.4168)$

Have a look what the booklet for
Yxy(50.0079, 0.2762, 0.4168)
contains.

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Color

Yxy(49.9104, 0.2764, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	62D096
RGB	98, 208, 150
RGB Percent	38%, 82%, 59%
CMY	0.6156, 0.1843, 0.4118
CMYK	0.53, 0.00, 0.28, 0.18
HSL	148°, 54%, 60%
HSV	148°, 53%, 82%
XYZ	33.0980, 49.9104, 36.7383
YIQ	168.4980, -46.9420, -41.3580

Conversions

Conversions Part 2

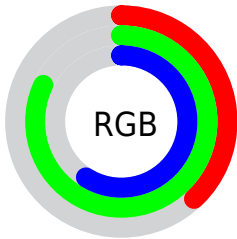
Format	Color
RYB	98, 173, 208
Decimal	6475926
CIELab	76.01, -44.84, 19.41
CIELCh	76, 48.864, 156.596
Yxy	49.9104, 0.2764, 0.4168
Android (android.graphics.Color)	4284666006 (0xFF62D096)
YUV	168.4980, -9.1195, -61.8267
Hunter-Lab	70.6473, -40.0062, 18.6209

Details

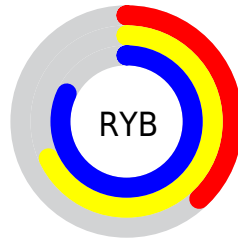
The Yxy color **49.9104, 0.2764, 0.4168** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5494, 0.3821, 0.2578**, and the grayscale version is **39.4806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9476, 0.2831, 0.3889**, and **24.0234, 0.2648, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **48.5646, 0.2728, 0.4372**, and if you desaturate by 10%, it is **51.5939, 0.2815, 0.3972**.

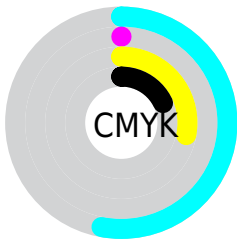
Distribution



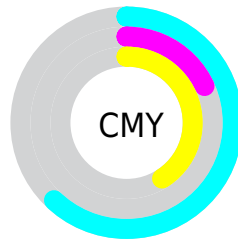
- Red (38%)
- Green (82%)
- Blue (59%)



- Red (38%)
- Yellow (68%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9104, 0.2764, 0.4168 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 49.9104, 0.2764, 0.4168 by changing the saturation by 10% instead.

 49.9104, 0.2764,
0.4168

 49.9104, 0.2764,
0.4168


386.3154, 0.2955,
0.3710

 35.3422, 0.2713,
0.4288


 90.0421, 0.2836,
0.3997


 23.9266, 0.2646,
0.4446


 116.3744, 0.2862,
0.3934

 15.2792, 0.2554,
0.4662


 147.3969, 0.2884,
0.3881

 9.0156, 0.2420,
0.4974

 183.4939, 0.2903,
0.3837

 4.7513, 0.2210,
0.5459

225.0499, 0.2918,
0.3798

 2.1021, 0.1808,
0.6437

272.4492, 0.2932,

 0.6658, 0.0000,

0.3765

1.0000

326.0763, 0.2944,
0.3736

■ 0.0000, 0.0000,
0.0000

■ 49.9104, 0.2764,
0.4168

■ 49.9104, 0.2764,
0.4168

■ 48.5646, 0.2728,
0.4372

■ 51.5939, 0.2815,
0.3972

■ 47.5258, 0.2709,
0.4580

■ 53.6312, 0.2878,
0.3788

■ 46.7676, 0.2710,
0.4785

■ 56.0445, 0.2949,
0.3619

■ 46.2561, 0.2730,
0.4981

■ 58.8524, 0.3025,
0.3465

■ 46.0007, 0.2753,
0.5112

■ 62.0722, 0.3104,
0.3327

■ 65.7203, 0.3184,
0.3204

■ 69.8120, 0.3262,
0.3096

■ 72.5322, 0.3269,
0.2994

■ 73.1960, 0.3192,
0.2890

Harmonies

Analogous

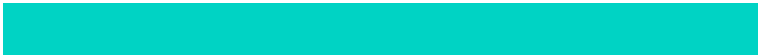
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9104, 0.3405, 0.4504



49.9104, 0.2764, 0.4168



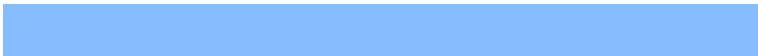
49.9104, 0.2253, 0.3508

Triad

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



49.9104, 0.2764, 0.4168



49.9104, 0.2245, 0.2264



49.9104, 0.4420, 0.3504

Complementary

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



49.9104, 0.2764, 0.4168



24.5494, 0.3821, 0.2578

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.



49.9104, 0.4046, 0.3011



49.9104, 0.2764, 0.4168



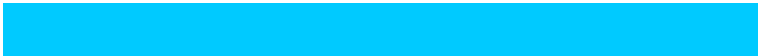
49.9104, 0.2741, 0.2332

Square

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



49.9104, 0.2764, 0.4168



49.9104, 0.1987, 0.2430



49.9104, 0.3404, 0.2597



49.9104, 0.4390, 0.4002

Rectangle

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



49.9104, 0.2764, 0.4168



49.9104, 0.2045, 0.3054



49.9104, 0.3404, 0.2597



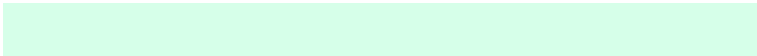
49.9104, 0.4338, 0.3335

Sweetspot

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



49.9124, 0.2764, 0.4168



91.7569, 0.3000, 0.3514



53.1308, 0.3462, 0.4765



19.4395, 0.2984, 0.3546



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.



49.9124, 0.2764, 0.4168



76.8306, 0.2725, 0.4390



52.0866, 0.2470, 0.3339



13.2980, 0.3052, 0.3415



28.6885, 0.2746, 0.5087



1.6201, 0.2649, 0.4737

Inverse Universe

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



24.5494, 0.3821, 0.2578



32.5859, 0.4042, 0.2465



23.1012, 0.4609, 0.3250



11.9109, 0.3209, 0.3168



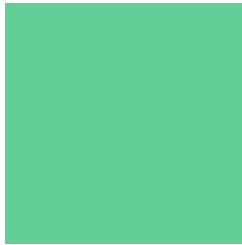
9.0752, 0.4829, 0.2434



0.5234, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 49.9104, 0.2764, 0.4168 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 49.9104, 0.2764, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

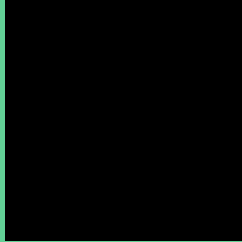
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9104, 0.2764, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 49.9104, 0.2764, 0.4168.



This preview shows how white text looks on a background with the Yxy color 49.9104, 0.2764, 0.4168.

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

49.9104, 0.2764, 0.4168

Protanopia

49.1534, 0.3613, 0.3874

Deuteranopia

49.0876, 0.3646, 0.3570



Tritanopia

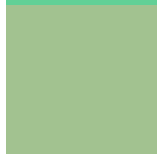
49.9794, 0.2474, 0.3071

Trichromacy



Original Color

49.9104, 0.2764, 0.4168



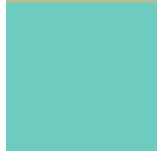
Protanomaly

48.2786, 0.3238, 0.3985



Deuteranomaly

47.9307, 0.3253, 0.3779



Tritanomaly

49.7689, 0.2573, 0.3445

Monochromacy



Original Color

49.9104, 0.2764, 0.4168



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.3152, 0.2957, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9104, 0.2764, 0.4168 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(98, 208, 150)` looks like.

```
.text, #text, p{  
    color:rgb(98, 208, 150)  
}
```

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(98, 208, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 208, 150) }
```

Border

The CSS property to change the border of an element to Yxy 49.9104, 0.2764, 0.4168 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(98, 208, 150) }
```

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

```
.border{ border-color:rgb(98, 208, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 208, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 208, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 208, 150);  
box-shadow:4px 4px 4px 4px rgb(98, 208,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9104, 0.2764, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 208, 150) }
```

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

```
.background{ background-color: rgb(98, 208,  
150) }
```

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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