

Converting Colors

$Y_{xy}(46.9889, 0.2555, 0.3089)$

Have a look what the booklet for
Yxy(46.9889, 0.2555, 0.3089)
contains.

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Color

Yxy(47.0049, 0.2554, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	7DC1CF
RGB	125, 193, 207
RGB Percent	49%, 76%, 81%
CMY	0.5100, 0.2431, 0.1881
CMYK	0.40, 0.07, 0.00, 0.19
HSL	190°, 46%, 65%
HSV	190°, 40%, 81%
XYZ	38.7885, 47.0049, 66.0802
YIQ	174.2640, -45.0220, -10.0620

Conversions

Conversions Part 2

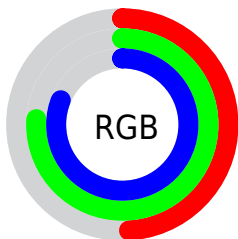
Format	Color
R _{YB}	125, 162, 207
Decimal	8241615
CIE Lab	74.19, -17.89, -13.82
CIE LCh	74, 22.609, 217.696
Yxy	47.0049, 0.2554, 0.3095
Android (android.graphics.Color)	4286431695 (0xFF7DC1CF)
YUV	174.2640, 16.1388, -43.2045
Hunter-Lab	68.5601, -18.9921, -9.1533

Details

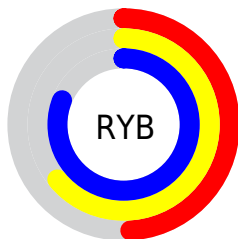
The Yxy color **47.0049, 0.2554, 0.3095** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2117, 0.4043, 0.3472**, and the grayscale version is **42.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4150, 0.2700, 0.3235**, and **22.0672, 0.2397, 0.3021** is the 20% darker color. If you saturate the color by 10%, you get **44.0624, 0.2434, 0.3037**, and if you desaturate by 10%, it is **50.3132, 0.2687, 0.3150**.

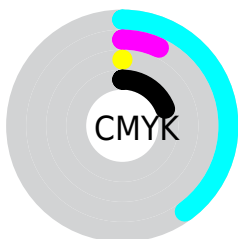
Distribution



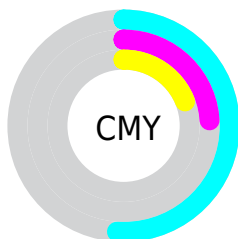
- Red (49%)
- Green (76%)
- Blue (81%)



- Red (49%)
- Yellow (64%)
- Blue (81%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0049, 0.2554, 0.3095 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 47.0049, 0.2554, 0.3095 by changing the saturation by 10% instead.

■ 47.0049, 0.2554,
0.3095

■ 47.0049, 0.2554,
0.3095

■ 374.8341, 0.2834,
0.3198

■ 33.0395, 0.2486,
0.3068

■ 85.7209, 0.2654,
0.3134

■ 22.1567, 0.2400,
0.3032

■ 111.2404, 0.2692,
0.3148

■ 13.9721, 0.2289,
0.2984

■ 141.3800, 0.2725,
0.3159

■ 8.1013, 0.2138,
0.2914

■ 176.5241, 0.2753,
0.3169

■ 4.1598, 0.1923,
0.2805

■ 217.0572, 0.2777,
0.3178

■ 1.7634, 0.1598,
0.2620

■ 263.3637, 0.2799,

■ 0.4642, 0.0022,

0.3186

0.2281

315.8278, 0.2817,
0.3192

0.0000, 0.0000,
0.0000

47.0049, 0.2554,
0.3095

47.0049, 0.2554,
0.3095

44.0624, 0.2434,
0.3037

50.3132, 0.2687,
0.3150

41.4595, 0.2329,
0.2978

54.0007, 0.2830,
0.3201

39.1753, 0.2242,
0.2917

58.0866, 0.2980,
0.3248

37.1837, 0.2174,
0.2855

62.5871, 0.3133,
0.3291

35.4540, 0.2126,
0.2794

67.5177, 0.3287,
0.3331

■ 33.9318, 0.2093,
0.2733

■ 72.8927, 0.3440,
0.3365

■ 33.8788, 0.2092,
0.2731

■ 75.7925, 0.3478,
0.3400

■ 77.6448, 0.3471,
0.3436

■ 79.5365, 0.3465,
0.3471

Harmonies

Analogous

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



47.0049, 0.2697, 0.3391



47.0049, 0.2554, 0.3095



47.0049, 0.2555, 0.2874

Triad

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



47.0049, 0.2554, 0.3095



47.0049, 0.3280, 0.2949



47.0049, 0.3556, 0.3830

Complementary

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



47.0049, 0.2554, 0.3095



33.2117, 0.4043, 0.3472

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.



47.0049, 0.3730, 0.3676



47.0049, 0.2554, 0.3095



47.0049, 0.3569, 0.3174

Square

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



47.0049, 0.2554, 0.3095



47.0049, 0.2961, 0.2805



47.0049, 0.3737, 0.3435



47.0049, 0.3270, 0.3835

Rectangle

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



47.0049, 0.2554, 0.3095



47.0049, 0.2637, 0.2794



47.0049, 0.3737, 0.3435



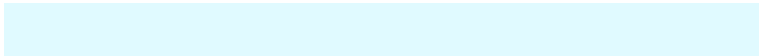
47.0049, 0.3630, 0.3792

Sweetspot

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



47.0067, 0.2554, 0.3095



91.3599, 0.2942, 0.3237



50.8523, 0.2988, 0.4291



19.3662, 0.2922, 0.3231



0.0000, 0.0000, 0.0000



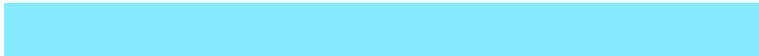
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0067, 0.2554, 0.3095



71.0662, 0.2446, 0.3044



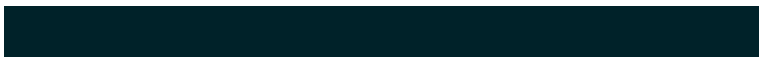
31.4240, 0.2462, 0.2496



13.0489, 0.2983, 0.3249



21.4595, 0.2094, 0.2739



1.2929, 0.2125, 0.2851

Inverse Universe

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



31.7784, 0.3315, 0.2467



43.8709, 0.3369, 0.2294



47.2617, 0.3838, 0.3970



11.9729, 0.3163, 0.3099



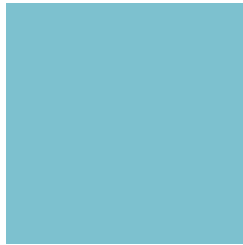
10.2376, 0.3691, 0.1807



0.5818, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 47.0049, 0.2554, 0.3095 looks on a white background.

Color Contrast Check

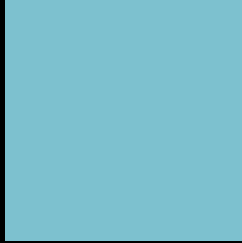
Large Text (above 18pt) WCAG AA × Fail

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 47.0049, 0.2554, 0.3095 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 47.0049, 0.2554, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 47.0049, 0.2554, 0.3095.



This preview shows how white text looks on a background with the Yxy color 47.0049, 0.2554, 0.3095.

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

47.0049, 0.2554, 0.3095

Protanopia

46.4693, 0.2980, 0.3047

Deuteranopia

46.5365, 0.2946, 0.2880



Tritanopia

47.0540, 0.2549, 0.3082

Trichromacy



Original Color

47.0049, 0.2554, 0.3095

Protanomaly

46.4358, 0.2805, 0.3064

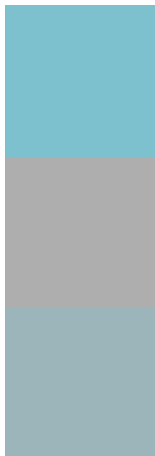
Deuteranomaly

46.3629, 0.2785, 0.2952

Tritanomaly

47.0540, 0.2549, 0.3082

Monochromacy



Original Color

47.0049, 0.2554, 0.3095

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.6608, 0.2884, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0049, 0.2554, 0.3095 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(125, 193, 207)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 207)  
}
```

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(125, 193, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 207) }
```

Border

The CSS property to change the border of an element to Yxy 47.0049, 0.2554, 0.3095 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(125, 193, 207) }
```

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

```
.border{ border-color:rgb(125, 193, 207) }
```

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

Here you see how a box with a 4 pixel rgb(125, 193, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 207);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0049, 0.2554, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 207) }
```

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

```
.background{ background-color: rgb(125,  
193, 207) }
```

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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