

Converting Colors

$Y_{xy}(47.4235, 0.2559, 0.3103)$

Have a look what the booklet for
Yxy(47.4235, 0.2559, 0.3103)
contains.

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Color

Yxy(47.5242, 0.2562, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	7EC2CF
RGB	126, 194, 207
RGB Percent	49%, 76%, 81%
CMY	0.5061, 0.2392, 0.1883
CMYK	0.39, 0.06, 0.00, 0.19
HSL	190°, 46%, 65%
HSV	190°, 39%, 81%
XYZ	39.1502, 47.5242, 66.1366
YIQ	175.1500, -44.7010, -10.3730

Conversions

Conversions Part 2

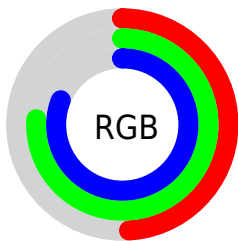
Format	Color
R_{YB}	126, 163, 207
Decimal	8307407
CIE _{Lab}	74.52, -18.17, -13.30
CIE _{LCh}	75, 22.517, 216.213
Yxy	47.5242, 0.2562, 0.3110
Android (android.graphics.Color)	4286497487 (0xFF7EC2CF)
YUV	175.1500, 15.7020, -43.1046
Hunter-Lab	68.9378, -19.2700, -8.6243

Details

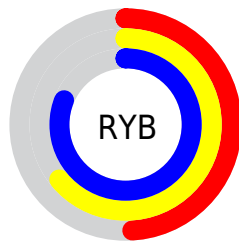
The Yxy color **47.5242, 0.2562, 0.3110** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2090, 0.4032, 0.3459**, and the grayscale version is **42.8794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1594, 0.2706, 0.3246**, and **22.3957, 0.2407, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **44.6540, 0.2442, 0.3056**, and if you desaturate by 10%, it is **50.7565, 0.2695, 0.3161**.

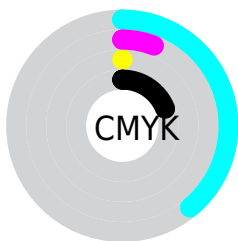
Distribution



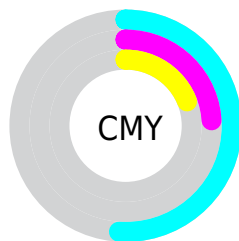
- Red (49%)
- Green (76%)
- Blue (81%)



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



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5242, 0.2562, 0.3110 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 47.5242, 0.2562, 0.3110 by changing the saturation by 10% instead.

■ 47.5242, 0.2562,
0.3110

■ 47.5242, 0.2562,
0.3110

■ 376.9031, 0.2838,
0.3205

■ 33.4502, 0.2495,
0.3085

■ 86.4956, 0.2661,
0.3146

■ 22.4716, 0.2411,
0.3052

■ 112.1618, 0.2698,
0.3159

■ 14.2038, 0.2301,
0.3007

■ 142.4608, 0.2730,
0.3170

■ 8.2626, 0.2153,
0.2942

■ 177.7772, 0.2758,
0.3179

■ 4.2634, 0.1942,
0.2841

■ 218.4952, 0.2782,
0.3187

■ 1.8220, 0.1623,
0.2667

■ 264.9992, 0.2803,

■ 0.5008, 0.0155,

0.3194

0.2380

317.6737, 0.2821,
0.3200

0.0000, 0.0000,
0.0000

47.5242, 0.2562,
0.3110

47.5242, 0.2562,
0.3110

44.6540, 0.2442,
0.3056

50.7565, 0.2695,
0.3161

42.1198, 0.2338,
0.3001

54.3641, 0.2837,
0.3209

39.9009, 0.2252,
0.2944

58.3661, 0.2987,
0.3253

37.9714, 0.2185,
0.2886

62.7787, 0.3140,
0.3293

36.3010, 0.2137,
0.2829

67.6170, 0.3295,
0.3330

■ 34.8389, 0.2105,
0.2773

■ 72.8956, 0.3448,
0.3362

■ 34.7202, 0.2102,
0.2768

■ 75.5011, 0.3479,
0.3395

■ 77.2290, 0.3473,
0.3428

■ 78.9915, 0.3467,
0.3461

Harmonies

Analogous

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



47.5242, 0.2711, 0.3405



47.5242, 0.2562, 0.3110



47.5242, 0.2556, 0.2886

Triad

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



47.5242, 0.2562, 0.3110



47.5242, 0.3263, 0.2942



47.5242, 0.3564, 0.3821

Complementary

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



47.5242, 0.2562, 0.3110



33.2090, 0.4032, 0.3459

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.



47.5242, 0.3730, 0.3662



47.5242, 0.2562, 0.3110



47.5242, 0.3553, 0.3162

Square

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



47.5242, 0.2562, 0.3110



47.5242, 0.2947, 0.2804



47.5242, 0.3727, 0.3421



47.5242, 0.3285, 0.3835

Rectangle

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



47.5242, 0.2562, 0.3110



47.5242, 0.2632, 0.2801



47.5242, 0.3727, 0.3421



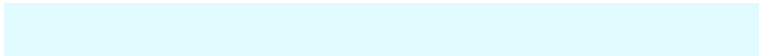
47.5242, 0.3635, 0.3782

Sweetspot

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



47.5261, 0.2562, 0.3110



91.5652, 0.2942, 0.3240



50.8911, 0.2998, 0.4297



19.4147, 0.2922, 0.3234



0.0000, 0.0000, 0.0000



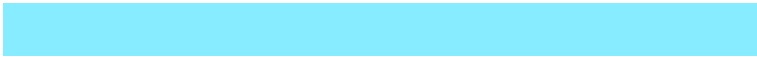
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5261, 0.2562, 0.3110



72.2658, 0.2460, 0.3065



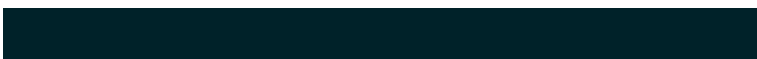
32.1474, 0.2474, 0.2528



13.0713, 0.2983, 0.3252



21.9928, 0.2105, 0.2776



1.3181, 0.2133, 0.2880

Inverse Universe

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



32.0652, 0.3303, 0.2467



44.6750, 0.3350, 0.2301



46.8585, 0.3834, 0.3946



11.9752, 0.3162, 0.3097



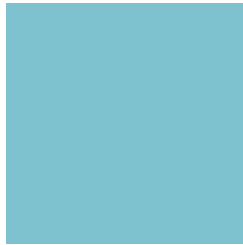
10.2915, 0.3657, 0.1788



0.5844, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 47.5242, 0.2562, 0.3110 looks on a white background.

Color Contrast Check

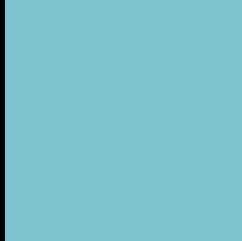
Large Text (above 18pt) WCAG AA × Fail

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 47.5242, 0.2562, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

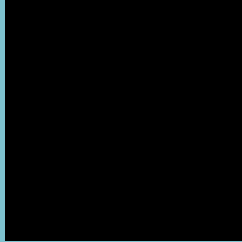
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5242, 0.2562, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 47.5242, 0.2562, 0.3110.



This preview shows how white text looks on a background with the Yxy color 47.5242, 0.2562, 0.3110.

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

47.5242, 0.2562, 0.3110

Protanopia

46.9950, 0.2988, 0.3060

Deuteranopia

47.0587, 0.2954, 0.2894



Tritanopia

47.6990, 0.2557, 0.3083

Trichromacy



Original Color

47.5242, 0.2562, 0.3110

Protanomaly

46.9591, 0.2813, 0.3078

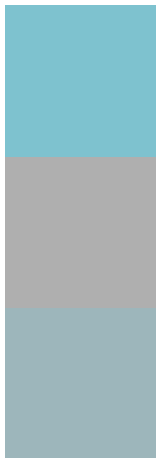
Deuteranomaly

46.8838, 0.2794, 0.2966

Tritanomaly

47.6497, 0.2562, 0.3097

Monochromacy



Original Color

47.5242, 0.2562, 0.3110

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2119, 0.2885, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5242, 0.2562, 0.3110 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(126, 194, 207)` looks like.

```
.text, #text, p{  
    color:rgb(126, 194, 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(126, 194, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 194, 207) }
```

Border

The CSS property to change the border of an element to Yxy 47.5242, 0.2562, 0.3110 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(126, 194, 207) }
```

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

```
.border{ border-color:rgb(126, 194, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 194, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 194, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 194, 207); box-shadow:4px 4px 4px 4px rgb(126, 194, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5242, 0.2562, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 194, 207) }
```

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

```
.background{ background-color: rgb(126,  
194, 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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