

Converting Colors

$Y_{xy}(46.6596, 0.2561, 0.3089)$

Have a look what the booklet for
Yxy(46.6596, 0.2561, 0.3089)
contains.

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Color

Yxy(46.6399, 0.2558, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	7EC0CF
RGB	126, 192, 207
RGB Percent	49%, 75%, 81%
CMY	0.5060, 0.2470, 0.1883
CMYK	0.39, 0.07, 0.00, 0.19
HSL	191°, 46%, 65%
HSV	191°, 39%, 81%
XYZ	38.7102, 46.6399, 65.9799
YIQ	173.9760, -44.1510, -9.3270

Conversions

Conversions Part 2

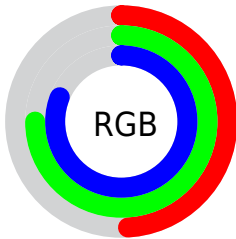
Format	Color
RYB	126, 162, 207
Decimal	8306895
CIELab	73.96, -17.13, -14.14
CIELCh	74, 22.214, 219.542
Yxy	46.6399, 0.2558, 0.3082
Android (android.graphics.Color)	4286496975 (0xFF7EC0CF)
YUV	173.9760, 16.2808, -42.0750
Hunter-Lab	68.2934, -18.3357, -9.4761

Details

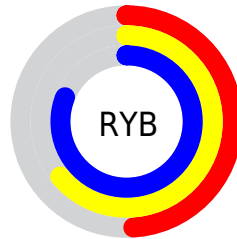
The Yxy color **46.6399, 0.2558, 0.3082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.7985, 0.4021, 0.3484**, and the grayscale version is **42.2431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9164, 0.2704, 0.3224**, and **21.8165, 0.2399, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **43.5704, 0.2435, 0.3020**, and if you desaturate by 10%, it is **50.0821, 0.2693, 0.3141**.

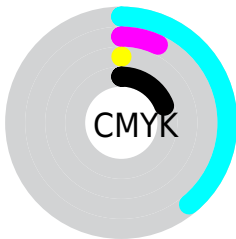
Distribution



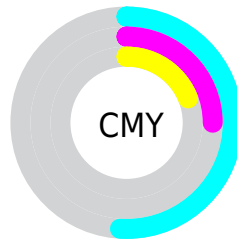
- Red (49%)
- Green (75%)
- Blue (81%)



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



- Cyan (39%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)





- Cyan (51%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6399, 0.2558, 0.3082 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 46.6399, 0.2558, 0.3082 by changing the saturation by 10% instead.


 46.6399, 0.2558,
0.3082


 46.6399, 0.2558,
0.3082


373.3753, 0.2837,
0.3191


 32.7511, 0.2490,
0.3053


 85.1759, 0.2658,
0.3123

 21.9358, 0.2405,
0.3016


 110.5918, 0.2696,
0.3138

 13.8097, 0.2294,
0.2964


 140.6188, 0.2728,
0.3150

 7.9885, 0.2143,
0.2891

175.6415, 0.2756,
0.3161

 4.0876, 0.1928,
0.2777

216.0440, 0.2780,
0.3170

 1.7227, 0.1602,
0.2584

262.2109, 0.2801,

 0.4383, 0.0000,

0.3178

0.2195

314.5266, 0.2820,
0.3185

0.0000, 0.0000,
0.0000

46.6399, 0.2558,
0.3082

46.6399, 0.2558,
0.3082

43.5704, 0.2435,
0.3020

50.0821, 0.2693,
0.3141

40.8477, 0.2328,
0.2955

53.9105, 0.2837,
0.3196

38.4507, 0.2238,
0.2888

58.1441, 0.2987,
0.3247

36.3535, 0.2168,
0.2821

62.7994, 0.3140,
0.3294

34.5257, 0.2116,
0.2755

67.8917, 0.3294,
0.3336

■ 32.9166, 0.2081,
0.2689

■ 73.4354, 0.3446,
0.3373

■ 32.7829, 0.2079,
0.2683

■ 76.3127, 0.3476,
0.3411

■ 78.3284, 0.3469,
0.3449

■ 80.3903, 0.3462,
0.3487

Harmonies

Analogous

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



46.6399, 0.2691, 0.3371



46.6399, 0.2558, 0.3082



46.6399, 0.2568, 0.2871

Triad

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



46.6399, 0.2558, 0.3082



46.6399, 0.3297, 0.2965



46.6399, 0.3535, 0.3827

Complementary

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



46.6399, 0.2558, 0.3082



33.7985, 0.4021, 0.3484

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.



46.6399, 0.3715, 0.3683



46.6399, 0.2558, 0.3082



46.6399, 0.3576, 0.3191

Square

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



46.6399, 0.2558, 0.3082



46.6399, 0.2982, 0.2818



46.6399, 0.3732, 0.3449



46.6399, 0.3249, 0.3822

Rectangle

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



46.6399, 0.2558, 0.3082



46.6399, 0.2654, 0.2796



46.6399, 0.3732, 0.3449



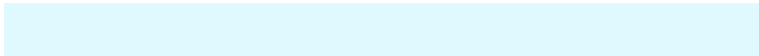
46.6399, 0.3610, 0.3793

Sweetspot

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



46.6417, 0.2558, 0.3082



91.0970, 0.2942, 0.3232



50.9667, 0.2981, 0.4256



19.3040, 0.2922, 0.3226



0.0000, 0.0000, 0.0000



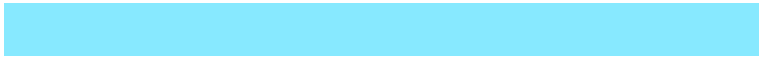
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6417, 0.2558, 0.3082



70.5802, 0.2454, 0.3030



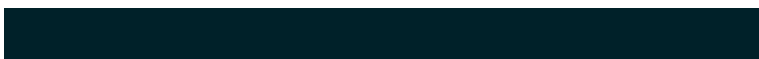
31.2708, 0.2468, 0.2487



13.0201, 0.2983, 0.3246



20.7881, 0.2081, 0.2692



1.2610, 0.2115, 0.2814

Inverse Universe

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



31.9821, 0.3323, 0.2489



44.5049, 0.3378, 0.2327



47.9484, 0.3821, 0.3976



11.9700, 0.3166, 0.3103



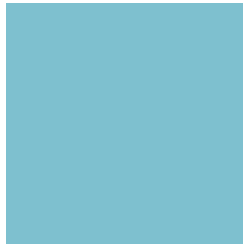
10.1698, 0.3736, 0.1832



0.5786, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 46.6399, 0.2558, 0.3082 looks on a white background.

Color Contrast Check

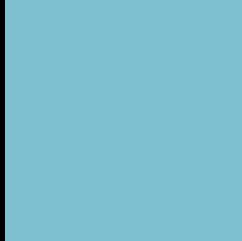
Large Text (above 18pt) WCAG AA × Fail

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 46.6399, 0.2558, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

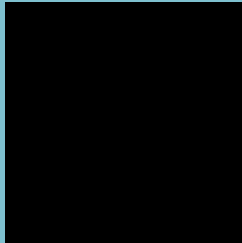
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6399, 0.2558, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 46.6399, 0.2558, 0.3082.



This preview shows how white text looks on a background with the Yxy color 46.6399, 0.2558, 0.3082.

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

46.6399, 0.2558, 0.3082

Protanopia

46.3497, 0.2972, 0.3046

Deuteranopia

46.4117, 0.2938, 0.2879



Tritanopia

46.6399, 0.2558, 0.3082

Trichromacy



Original Color

46.6399, 0.2558, 0.3082

Protanomaly

46.0188, 0.2804, 0.3051

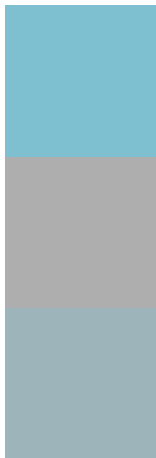
Deuteranomaly

45.9519, 0.2784, 0.2938

Tritanomaly

46.6399, 0.2558, 0.3082

Monochromacy



Original Color

46.6399, 0.2558, 0.3082

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.7610, 0.2892, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6399, 0.2558, 0.3082 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, 192, 207)` looks like.

```
.text, #text, p{  
    color:rgb(126, 192, 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, 192, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 192, 207) }
```

Border

The CSS property to change the border of an element to Yxy 46.6399, 0.2558, 0.3082 is called "border". The border property can be set on classes, ids or directly on the HTML element.

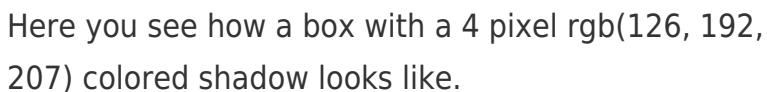
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 192, 207) }
```

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

```
.border{ border-color:rgb(126, 192, 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, 192, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 192, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 192, 207); box-shadow:4px 4px 4px 4px rgb(126, 192, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6399, 0.2558, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 192, 207) }
```

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

```
.background{ background-color: rgb(126,  
192, 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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