

Converting Colors

$Yxy(46.4151, 0.2722, 0.3166)$

Have a look what the booklet for
Yxy(46.4151, 0.2722, 0.3166)
contains.

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Color

Yxy(46.4017, 0.2722, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	90BDC6
RGB	144, 189, 198
RGB Percent	56%, 74%, 78%
CMY	0.4352, 0.2588, 0.2236
CMYK	0.27, 0.05, 0.00, 0.22
HSL	190°, 32%, 67%
HSV	190°, 27%, 78%
XYZ	39.8943, 46.4017, 60.2665
YIQ	176.5710, -29.7090, -6.7410

Conversions

Conversions Part 2

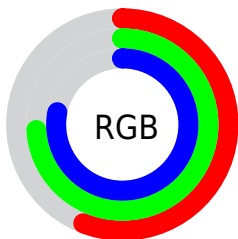
Format	Color
RYB	144, 169, 198
Decimal	9485766
CIELab	73.81, -12.73, -9.37
CIELCh	74, 15.808, 216.370
Yxy	46.4017, 0.2722, 0.3166
Android (android.graphics.Color)	4287675846 (0xFF90BDC6)
YUV	176.5710, 10.5645, -28.5648
Hunter-Lab	68.1188, -14.6679, -4.7723

Details

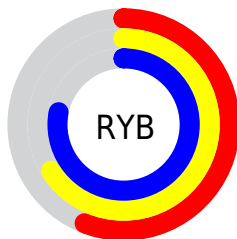
The Yxy color **46.4017, 0.2722, 0.3166** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8047, 0.3680, 0.3410**, and the grayscale version is **43.6887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6669, 0.2792, 0.3183**, and **21.8972, 0.2615, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **43.3721, 0.2587, 0.3114**, and if you desaturate by 10%, it is **49.7799, 0.2866, 0.3215**.

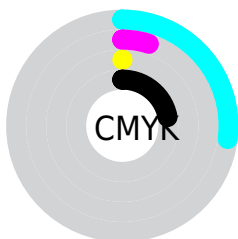
Distribution



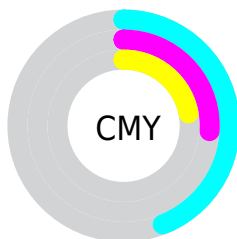
- Red (56%)
- Green (74%)
- Blue (78%)



- Red (56%)
- Yellow (66%)
- Blue (78%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)





- Cyan (44%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4017, 0.2722, 0.3166 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 46.4017, 0.2722, 0.3166 by changing the saturation by 10% instead.

 46.4017, 0.2722,
0.3166


 46.4017, 0.2722,
0.3166


372.4213, 0.2922,
0.3231

 32.5629, 0.2673,
0.3149


 84.8199, 0.2794,
0.3190

 21.7918, 0.2610,
0.3127


 110.1680, 0.2821,
0.3199

 13.7040, 0.2528,
0.3096


140.1215, 0.2845,
0.3207

 7.9151, 0.2415,
0.3052

175.0645, 0.2864,
0.3213

 4.0407, 0.2249,
0.2982

215.3817, 0.2882,
0.3218

 1.6963, 0.1989,
0.2861

261.4572, 0.2897,

 0.4213, 0.0549,

0.3223

0.2580

313.6756, 0.2910,
0.3227

0.0000, 0.0000,
0.0000

46.4017, 0.2722,
0.3166

46.4017, 0.2722,
0.3166

43.3721, 0.2587,
0.3114

49.7799, 0.2866,
0.3215

40.6689, 0.2464,
0.3059

53.5164, 0.3016,
0.3260

38.2761, 0.2356,
0.3001

57.6275, 0.3169,
0.3301

36.1736, 0.2265,
0.2942

62.1266, 0.3323,
0.3338

34.3390, 0.2193,
0.2882

67.0267, 0.3475,
0.3371

■ 32.7460, 0.2140,
0.2823

■ 70.8259, 0.3563,
0.3402

■ 31.3584, 0.2105,
0.2764

■ 72.4576, 0.3556,
0.3436

■ 30.9948, 0.2097,
0.2748

■ 74.1229, 0.3549,
0.3469

■ 75.8221, 0.3541,
0.3502

Harmonies

Analogous

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



46.4017, 0.2830, 0.3372



46.4017, 0.2722, 0.3166



46.4017, 0.2718, 0.3004

Triad

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



46.4017, 0.2722, 0.3166



46.4017, 0.3226, 0.3040



46.4017, 0.3438, 0.3666

Complementary

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



46.4017, 0.2722, 0.3166



36.8047, 0.3680, 0.3410

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.



46.4017, 0.3553, 0.3560



46.4017, 0.2722, 0.3166



46.4017, 0.3429, 0.3202

Square

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



46.4017, 0.2722, 0.3166



46.4017, 0.3002, 0.2940



46.4017, 0.3550, 0.3390



46.4017, 0.3241, 0.3670

Rectangle

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



46.4017, 0.2722, 0.3166



46.4017, 0.2774, 0.2941



46.4017, 0.3550, 0.3390



46.4017, 0.3487, 0.3641

Sweetspot

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



46.4036, 0.2722, 0.3166



94.1866, 0.3003, 0.3256



48.5822, 0.3036, 0.3946



19.9363, 0.2980, 0.3249



0.0000, 0.0000, 0.0000



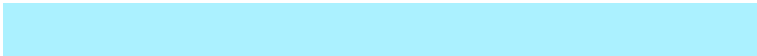
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4036, 0.2722, 0.3166



78.7670, 0.2636, 0.3134



36.1729, 0.2685, 0.2793



11.7554, 0.2984, 0.3251



20.2692, 0.2099, 0.2756



1.0419, 0.2133, 0.2879

Inverse Universe

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



35.6340, 0.3244, 0.2723



56.6796, 0.3276, 0.2592



46.2973, 0.3593, 0.3741



10.7851, 0.3163, 0.3100



9.5862, 0.3676, 0.1799



0.4622, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 46.4017, 0.2722, 0.3166 looks on a white background.

Color Contrast Check

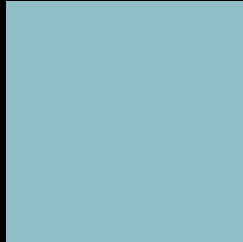
Large Text (above 18pt) WCAG AA × Fail

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 46.4017, 0.2722, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

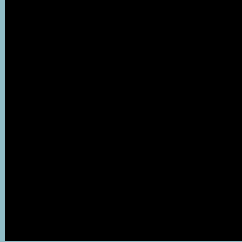
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

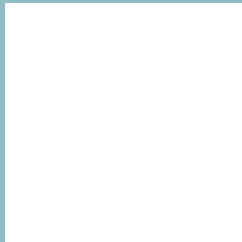
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4017, 0.2722, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 46.4017, 0.2722, 0.3166.

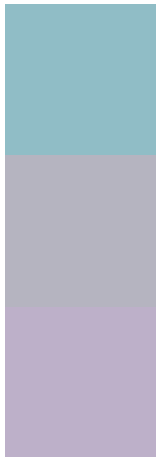


This preview shows how white text looks on a background with the Yxy color 46.4017, 0.2722, 0.3166.

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

46.4017, 0.2722, 0.3166

Protanopia

46.2720, 0.3041, 0.3135

Deuteranopia

46.0865, 0.3039, 0.2977



Tritanopia

46.2980, 0.2695, 0.3086

Trichromacy



Original Color

46.4017, 0.2722, 0.3166

Protanomaly

46.0868, 0.2921, 0.3144

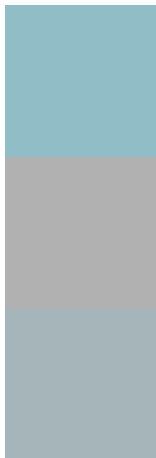
Deuteranomaly

46.1021, 0.2916, 0.3043

Tritanomaly

46.2032, 0.2708, 0.3112

Monochromacy



Original Color

46.4017, 0.2722, 0.3166

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5499, 0.2963, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4017, 0.2722, 0.3166 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(144, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(144, 189, 198)  
}
```

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(144, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 189, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.4017, 0.2722, 0.3166 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(144, 189, 198) }
```

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

```
.border{ border-color:rgb(144, 189, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 189, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 189, 198); box-shadow:4px 4px 4px 4px rgb(144, 189, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4017, 0.2722, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 189, 198) }
```

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

```
.background{ background-color: rgb(144,  
189, 198) }
```

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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