

Converting Colors

$Y_{xy}(46.5008, 0.2649, 0.3109)$

Have a look what the booklet for
Yxy(46.5008, 0.2649, 0.3109)
contains.

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Color

Yxy(46.5420, 0.2652, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	8ABECB
RGB	138, 190, 203
RGB Percent	54%, 75%, 80%
CMY	0.4588, 0.2549, 0.2039
CMYK	0.32, 0.06, 0.00, 0.20
HSL	192°, 38%, 67%
HSV	192°, 32%, 80%
XYZ	39.6751, 46.5420, 63.3875
YIQ	175.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

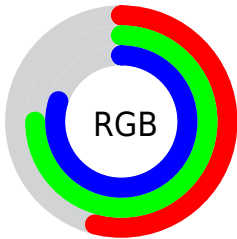
Format	Color
R _Y B	138, 167, 203
Decimal	9092811
CIE Lab	73.90, -13.80, -12.01
CIE LCh	74, 18.295, 221.011
Yxy	46.5420, 0.2652, 0.3111
Android (android.graphics.Color)	4287282891 (0xFF8ABECB)
YUV	175.9340, 13.3435, -33.2681
Hunter-Lab	68.2217, -15.5792, -7.3335

Details

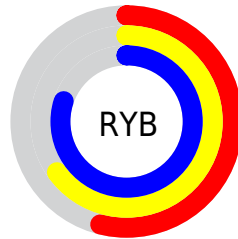
The Yxy color **46.5420, 0.2652, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6670, 0.3802, 0.3461**, and the grayscale version is **43.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4690, 0.2760, 0.3193**, and **21.9925, 0.2522, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **43.2371, 0.2519, 0.3046**, and if you desaturate by 10%, it is **50.2232, 0.2795, 0.3172**.

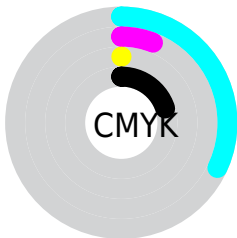
Distribution



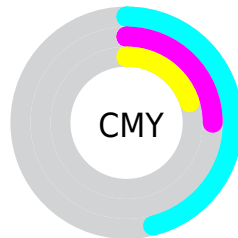
- Red (54%)
- Green (75%)
- Blue (80%)



- Red (54%)
- Yellow (65%)
- Blue (80%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)




- Cyan (46%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5420, 0.2652, 0.3111 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 46.5420, 0.2652, 0.3111 by changing the saturation by 10% instead.

 46.5420, 0.2652,
0.3111

 46.5420, 0.2652,
0.3111

372.9834, 0.2886,
0.3204


 32.6737, 0.2595,
0.3087


 85.0296, 0.2736,
0.3146

 21.8766, 0.2522,
0.3055


 110.4177, 0.2768,
0.3158

 13.7663, 0.2427,
0.3012


 140.4145, 0.2795,
0.3169

 7.9583, 0.2298,
0.2950

175.4044, 0.2818,
0.3178

 4.0683, 0.2111,
0.2854

215.7719, 0.2838,
0.3186

 1.7118, 0.1820,
0.2690

261.9013, 0.2856,

 0.4313, 0.0393,

0.3193

0.2324

314.1770, 0.2872,
0.3199

0.0000, 0.0000,
0.0000

46.5420, 0.2652,
0.3111

46.5420, 0.2652,
0.3111

43.2371, 0.2519,
0.3046

50.2232, 0.2795,
0.3172

40.2844, 0.2399,
0.2977

54.2921, 0.2944,
0.3229

37.6656, 0.2294,
0.2906

58.7666, 0.3096,
0.3280

35.3581, 0.2208,
0.2834

63.6615, 0.3250,
0.3327

33.3360, 0.2140,
0.2761

68.9910, 0.3402,
0.3369

■ 31.5687, 0.2092,
0.2688

■ 73.8442, 0.3514,
0.3407

■ 30.2954, 0.2064,
0.2631

■ 75.9288, 0.3506,
0.3448

■ 78.0650, 0.3498,
0.3489

■ 80.2532, 0.3490,
0.3529

Harmonies

Analogous

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



46.5420, 0.2758, 0.3346



46.5420, 0.2652, 0.3111



46.5420, 0.2666, 0.2939

Triad

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



46.5420, 0.2652, 0.3111



46.5420, 0.3281, 0.3028



46.5420, 0.3455, 0.3735

Complementary

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



46.5420, 0.2652, 0.3111



36.6670, 0.3802, 0.3461

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.



46.5420, 0.3607, 0.3625



46.5420, 0.2652, 0.3111



46.5420, 0.3506, 0.3220

Square

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



46.5420, 0.2652, 0.3111



46.5420, 0.3021, 0.2900



46.5420, 0.3627, 0.3436



46.5420, 0.3218, 0.3720

Rectangle

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



46.5420, 0.2652, 0.3111



46.5420, 0.2742, 0.2878



46.5420, 0.3627, 0.3436



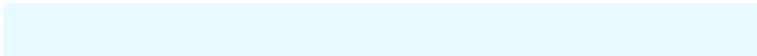
46.5420, 0.3518, 0.3710

Sweetspot

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



46.5438, 0.2652, 0.3111



92.2703, 0.2972, 0.3239



50.3132, 0.3006, 0.4050



19.5293, 0.2951, 0.3231



0.0000, 0.0000, 0.0000



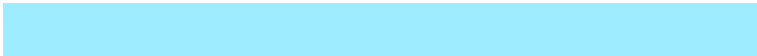
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5438, 0.2652, 0.3111



74.2746, 0.2564, 0.3069



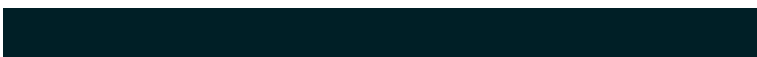
34.3726, 0.2597, 0.2658



12.3311, 0.2983, 0.3243



19.4122, 0.2067, 0.2641



1.1009, 0.2106, 0.2781

Inverse Universe

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



34.5951, 0.3290, 0.2646



51.7822, 0.3332, 0.2516



48.1582, 0.3679, 0.3849



11.3638, 0.3168, 0.3106



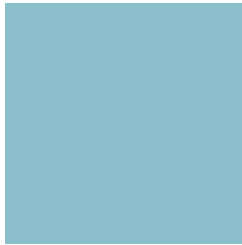
9.7627, 0.3785, 0.1859



0.5137, 0.3652, 0.1785

Previews

White Background



This preview shows how the Yxy color 46.5420, 0.2652, 0.3111 looks on a white background.

Color Contrast Check

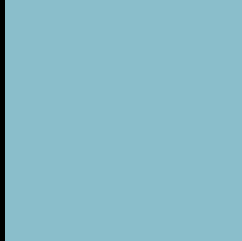
Large Text (above 18pt) WCAG AA × Fail

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 46.5420, 0.2652, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

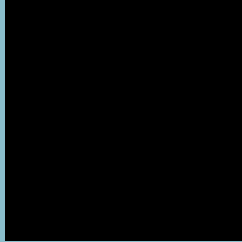
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5420, 0.2652, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 46.5420, 0.2652, 0.3111.



This preview shows how white text looks on a background with the Yxy color 46.5420, 0.2652, 0.3111.

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

46.5420, 0.2652, 0.3111

Protanopia

46.3770, 0.2995, 0.3072

Deuteranopia

46.0717, 0.2984, 0.2915



Tritanopia

46.6380, 0.2640, 0.3084

Trichromacy



Original Color

46.5420, 0.2652, 0.3111

Protanomaly

46.4038, 0.2863, 0.3092

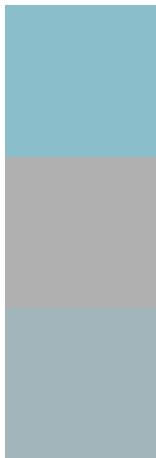
Deuteranomaly

45.8905, 0.2849, 0.2978

Tritanomaly

46.5898, 0.2646, 0.3098

Monochromacy



Original Color

46.5420, 0.2652, 0.3111

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.2743, 0.2931, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5420, 0.2652, 0.3111 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(138, 190, 203)` looks like.

```
.text, #text, p{  
    color:rgb(138, 190, 203)  
}
```

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(138, 190, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 190, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.5420, 0.2652, 0.3111 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(138, 190, 203) }
```

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

```
.border{ border-color:rgb(138, 190, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 190, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 190, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 190, 203);  
box-shadow:4px 4px 4px 4px rgb(138, 190,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5420, 0.2652, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 190, 203) }
```

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

```
.background{ background-color: rgb(138,  
190, 203) }
```

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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