

Converting Colors

$Y_{xy}(46.7527, 0.2830, 0.3252)$

Have a look what the booklet for
Yxy(46.7527, 0.2830, 0.3252)
contains.

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Color

Yxy(46.9291, 0.2832, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	99BDBF
RGB	153, 189, 191
RGB Percent	60%, 74%, 75%
CMY	0.3998, 0.2588, 0.2510
CMYK	0.20, 0.01, 0.00, 0.25
HSL	183°, 23%, 67%
HSV	183°, 20%, 75%
XYZ	40.7429, 46.9291, 56.1941
YIQ	178.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

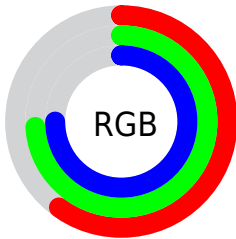
Format	Color
RYB	153, 171, 191
Decimal	10075583
CIELab	74.14, -11.55, -5.00
CIELCh	74, 12.591, 203.418
Yxy	46.9291, 0.2832, 0.3262
Android (android.graphics.Color)	4288265663 (0xFF99BDBF)
YUV	178.4640, 6.1802, -22.3319
Hunter-Lab	68.5048, -13.7215, -0.6818

Details

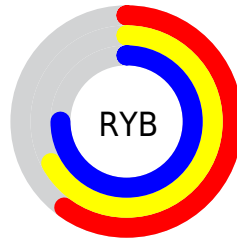
The Yxy color **46.9291, 0.2832, 0.3262** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8303, 0.3510, 0.3318**, and the grayscale version is **44.7592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4301, 0.2887, 0.3268**, and **22.2100, 0.2746, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **44.7883, 0.2697, 0.3246**, and if you desaturate by 10%, it is **49.3742, 0.2977, 0.3277**.

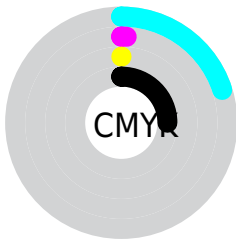
Distribution



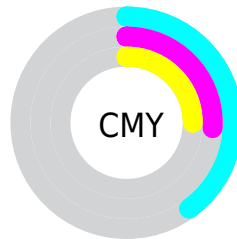
- Red (60%)
- Green (74%)
- Blue (75%)



- Red (60%)
- Yellow (67%)
- Blue (75%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (40%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9291, 0.2832, 0.3262 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 46.9291, 0.2832, 0.3262 by changing the saturation by 10% instead.


 46.9291, 0.2832,
0.3262


 46.9291, 0.2832,
0.3262


374.5315, 0.2978,
0.3278

 32.9796, 0.2796,
0.3258


 85.6078, 0.2885,
0.3268

 22.1108, 0.2750,
0.3252

 111.1058, 0.2905,
0.3270

 13.9384, 0.2689,
0.3243


141.2220, 0.2922,
0.3272

 8.0778, 0.2604,
0.3231

176.3410, 0.2936,
0.3273

 4.1448, 0.2480,
0.3210

216.8470, 0.2949,
0.3275

 1.7549, 0.2279,
0.3171

263.1245, 0.2960,

 0.4588, 0.1053,

0.3276

0.3138

315.5578, 0.2970,
0.3277

0.0000, 0.0000,
0.0000

46.9291, 0.2832,
0.3262

46.9291, 0.2832,
0.3262

44.7883, 0.2697,
0.3246

49.3742, 0.2977,
0.3277

42.9319, 0.2575,
0.3230

52.1311, 0.3129,
0.3290

41.3465, 0.2468,
0.3213

55.2140, 0.3285,
0.3302

40.0155, 0.2378,
0.3195

58.6347, 0.3443,
0.3314

38.9203, 0.2307,
0.3178

62.4043, 0.3600,
0.3323

■ 38.0397, 0.2255,
0.3160

■ 64.0578, 0.3651,
0.3333

■ 37.3488, 0.2221,
0.3142

■ 64.5088, 0.3648,
0.3344

■ 36.7991, 0.2202,
0.3125

■ 64.9629, 0.3646,
0.3354

■ 36.7922, 0.2202,
0.3125

■ 65.4200, 0.3643,
0.3365

Harmonies

Analogous

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



46.9291, 0.2950, 0.3424



46.9291, 0.2832, 0.3262



46.9291, 0.2791, 0.3113

Triad

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



46.9291, 0.2832, 0.3262



46.9291, 0.3129, 0.3048



46.9291, 0.3423, 0.3562

Complementary

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



46.9291, 0.2832, 0.3262



36.8303, 0.3510, 0.3318

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.



46.9291, 0.3475, 0.3452



46.9291, 0.2832, 0.3262



46.9291, 0.3303, 0.3160

Square

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



46.9291, 0.2832, 0.3262



46.9291, 0.2959, 0.2996



46.9291, 0.3431, 0.3306



46.9291, 0.3291, 0.3600

Rectangle

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



46.9291, 0.2832, 0.3262



46.9291, 0.2812, 0.3042



46.9291, 0.3431, 0.3306



46.9291, 0.3451, 0.3532

Sweetspot

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



46.9310, 0.2832, 0.3262



90.2373, 0.3034, 0.3282



46.3977, 0.3088, 0.3802



19.7450, 0.3024, 0.3281



97.7402, 0.3127, 0.3290



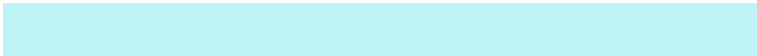
20.4902, 0.3127, 0.3290

Same Dimension

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



46.9310, 0.2832, 0.3262



82.2679, 0.2770, 0.3255



39.3311, 0.2816, 0.2998



10.7213, 0.2985, 0.3277



24.2200, 0.2202, 0.3127



0.9752, 0.2214, 0.3169

Inverse Universe

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



37.5449, 0.3168, 0.2828



62.3441, 0.3178, 0.2721



43.6146, 0.3463, 0.3566



9.6874, 0.3145, 0.3076



9.4747, 0.3344, 0.1616



0.3738, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 46.9291, 0.2832, 0.3262 looks on a white background.

Color Contrast Check

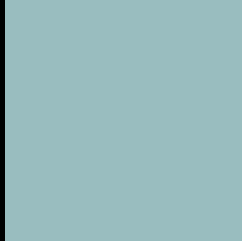
Large Text (above 18pt) WCAG AA × Fail

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 46.9291, 0.2832, 0.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

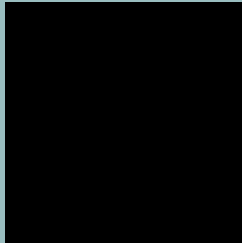
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

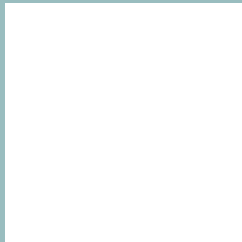
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9291, 0.2832, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 46.9291, 0.2832, 0.3262.



This preview shows how white text looks on a background with the Yxy color 46.9291, 0.2832, 0.3262.

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

46.9291, 0.2832, 0.3262

Protanopia

46.7833, 0.3113, 0.3226

Deuteranopia

46.8087, 0.3137, 0.3078



Tritanopia

46.7735, 0.2770, 0.3089

Trichromacy



Original Color

46.9291, 0.2832, 0.3262

Protanomaly

46.7961, 0.3006, 0.3237

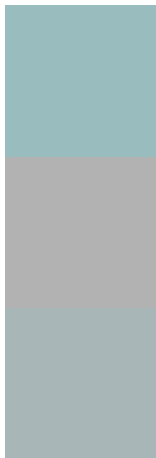
Deuteranomaly

46.4817, 0.3017, 0.3135

Tritanomaly

46.9137, 0.2791, 0.3155

Monochromacy



Original Color

46.9291, 0.2832, 0.3262

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3098, 0.3011, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9291, 0.2832, 0.3262 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(153, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 191)  
}
```

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(153, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 191) }
```

Border

The CSS property to change the border of an element to Yxy 46.9291, 0.2832, 0.3262 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(153, 189, 191) }
```

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

```
.border{ border-color:rgb(153, 189, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9291, 0.2832, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 191) }
```

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

```
.background{ background-color: rgb(153,  
189, 191) }
```

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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