

Converting Colors

$Y_{xy}(46.9846, 0.2744, 0.3208)$

Have a look what the booklet for
Yxy(46.9846, 0.2744, 0.3208)
contains.

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Color

Yxy(46.8322, 0.2743, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	91BEC4
RGB	145, 190, 196
RGB Percent	57%, 75%, 77%
CMY	0.4313, 0.2549, 0.2314
CMYK	0.26, 0.03, 0.00, 0.23
HSL	187°, 30%, 67%
HSV	187°, 26%, 77%
XYZ	40.0564, 46.8322, 59.1426
YIQ	177.2290, -28.7460, -7.6740

Conversions

Conversions Part 2

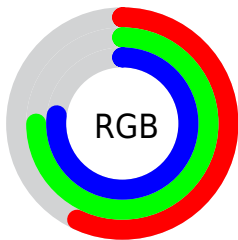
Format	Color
R_{YB}	145, 169, 196
Decimal	9551556
CIE _{Lab}	74.08, -13.42, -7.87
CIE _{LCh}	74, 15.553, 210.395
Yxy	46.8322, 0.2743, 0.3207
Android (android.graphics.Color)	4287741636 (0xFF91BEC4)
YUV	177.2290, 9.2541, -28.2648
Hunter-Lab	68.4341, -15.2786, -3.3362

Details

The Yxy color **46.8322, 0.2743, 0.3207** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.9167, 0.3655, 0.3371**, and the grayscale version is **44.0581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2827, 0.2809, 0.3215**, and **22.1715, 0.2642, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **44.2149, 0.2610, 0.3171**, and if you desaturate by 10%, it is **49.7762, 0.2886, 0.3241**.

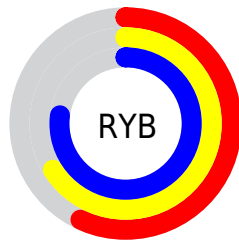
Distribution



Red (57%)

Green (75%)

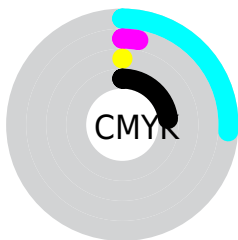
Blue (77%)



Red (57%)

Yellow (66%)

Blue (77%)

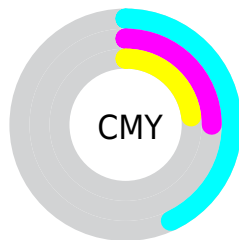


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (23%)



Cyan (43%)

Magenta (25%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8322, 0.2743, 0.3207 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 46.8322, 0.2743, 0.3207 by changing the saturation by 10% instead.

■ 46.8322, 0.2743,
0.3207

■ 46.8322, 0.2743,
0.3207

■ 374.1443, 0.2933,
0.3251

■ 32.9030, 0.2696,
0.3195

■ 85.4631, 0.2811,
0.3224

■ 22.0522, 0.2637,
0.3180

■ 110.9336, 0.2837,
0.3230

■ 13.8952, 0.2559,
0.3158

■ 141.0200, 0.2859,
0.3235

■ 8.0478, 0.2451,
0.3126

■ 176.1067, 0.2878,
0.3239

■ 4.1256, 0.2294,
0.3076

■ 216.5781, 0.2894,
0.3243

■ 1.7441, 0.2046,
0.2987

■ 262.8186, 0.2909,

■ 0.4519, 0.0639,

0.3246

0.2827

315.2125, 0.2921,
0.3249

0.0000, 0.0000,
0.0000

46.8322, 0.2743,
0.3207

46.8322, 0.2743,
0.3207

44.2149, 0.2610,
0.3171

49.7762, 0.2886,
0.3241

41.9028, 0.2491,
0.3132

53.0558, 0.3035,
0.3272

39.8804, 0.2387,
0.3093

56.6868, 0.3189,
0.3301

38.1289, 0.2300,
0.3052

60.6822, 0.3344,
0.3327

36.6266, 0.2232,
0.3011

65.0541, 0.3499,
0.3350

■ 35.3489, 0.2184,
0.2970

■ 68.3404, 0.3590,
0.3372

■ 34.2641, 0.2153,
0.2930

■ 69.4413, 0.3584,
0.3396

■ 33.8592, 0.2143,
0.2914

■ 70.5585, 0.3579,
0.3419

■ 71.6920, 0.3574,
0.3443

Harmonies

Analogous

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



46.8322, 0.2868, 0.3411



46.8322, 0.2743, 0.3207



46.8322, 0.2718, 0.3036

Triad

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



46.8322, 0.2743, 0.3207



46.8322, 0.3180, 0.3019



46.8322, 0.3462, 0.3646

Complementary

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



46.8322, 0.2743, 0.3207



35.9167, 0.3655, 0.3371

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.



46.8322, 0.3554, 0.3525



46.8322, 0.2743, 0.3207



46.8322, 0.3388, 0.3169

Square

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



46.8322, 0.2743, 0.3207



46.8322, 0.2964, 0.2936



46.8322, 0.3527, 0.3351



46.8322, 0.3281, 0.3671

Rectangle

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



46.8322, 0.2743, 0.3207



46.8322, 0.2759, 0.2962



46.8322, 0.3527, 0.3351



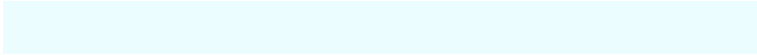
46.8322, 0.3505, 0.3614

Sweetspot

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



46.8341, 0.2743, 0.3207



94.8150, 0.3003, 0.3266



47.7287, 0.3051, 0.3936



20.0957, 0.2980, 0.3261



0.0000, 0.0000, 0.0000



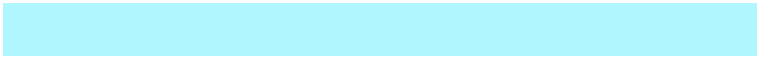
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8341, 0.2743, 0.3207



82.1832, 0.2669, 0.3187



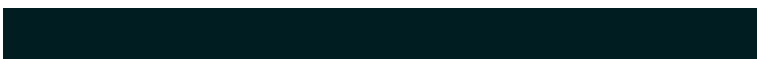
36.7599, 0.2710, 0.2844



11.2199, 0.2984, 0.3262



21.8422, 0.2144, 0.2920



1.0020, 0.2169, 0.3009

Inverse Universe

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



35.7113, 0.3213, 0.2720



58.9275, 0.3235, 0.2599



45.0070, 0.3574, 0.3698



10.2265, 0.3155, 0.3089



9.4872, 0.3526, 0.1716



0.4158, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 46.8322, 0.2743, 0.3207 looks on a white background.

Color Contrast Check

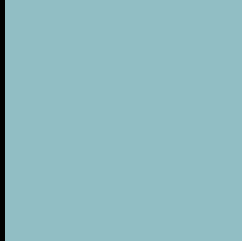
Large Text (above 18pt) WCAG AA × Fail

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 46.8322, 0.2743, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

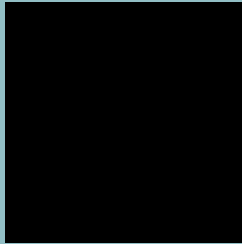
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

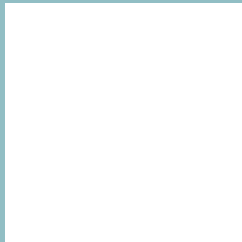
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8322, 0.2743, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 46.8322, 0.2743, 0.3207.



This preview shows how white text looks on a background with the Yxy color 46.8322, 0.2743, 0.3207.

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

46.8322, 0.2743, 0.3207

Protanopia

46.7105, 0.3065, 0.3174

Deuteranopia

46.6442, 0.3072, 0.3015



Tritanopia

46.9579, 0.2704, 0.3087

Trichromacy



Original Color

46.8322, 0.2743, 0.3207

Protanomaly

46.5218, 0.2944, 0.3184

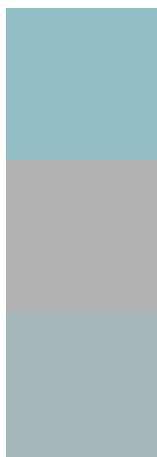
Deuteranomaly

46.5318, 0.2939, 0.3082

Tritanomaly

46.7232, 0.2716, 0.3126

Monochromacy



Original Color

46.8322, 0.2743, 0.3207

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9159, 0.2971, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8322, 0.2743, 0.3207 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(145, 190, 196)` looks like.

```
.text, #text, p{  
    color:rgb(145, 190, 196)  
}
```

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(145, 190, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 190, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.8322, 0.2743, 0.3207 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(145, 190, 196) }
```

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

```
.border{ border-color:rgb(145, 190, 196) }
```

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

Here you see how a box with a 4 pixel rgb(145, 190, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 190, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 190, 196);  
box-shadow:4px 4px 4px 4px rgb(145, 190,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8322, 0.2743, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 190, 196) }
```

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

```
.background{ background-color: rgb(145,  
190, 196) }
```

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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