

Converting Colors

Yxy(44.7686, 0.2631, 0.3165)

Have a look what the booklet for
Yxy(44.7686, 0.2631, 0.3165)
contains.

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Color

Yxy(44.6648, 0.2627, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	81BCC5
RGB	129, 188, 197
RGB Percent	51%, 74%, 77%
CMY	0.4943, 0.2627, 0.2275
CMYK	0.35, 0.05, 0.00, 0.23
HSL	188°, 37%, 64%
HSV	188°, 35%, 77%
XYZ	37.1077, 44.6648, 59.4824
YIQ	171.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

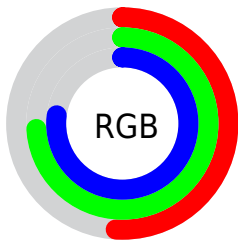
Format	Color
RYB	129, 161, 197
Decimal	8502469
CIELab	72.67, -16.76, -10.62
CIElCh	73, 19.843, 212.342
Yxy	44.6648, 0.2627, 0.3162
Android (android.graphics.Color)	4286692549 (0xFF81BCC5)
YUV	171.3850, 12.6282, -37.1716
Hunter-Lab	66.8317, -17.8451, -5.9878

Details

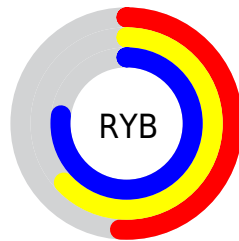
The Yxy color **44.6648, 0.2627, 0.3162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6088, 0.3893, 0.3413**, and the grayscale version is **40.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0475, 0.2714, 0.3181**, and **20.8476, 0.2493, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **42.1699, 0.2504, 0.3119**, and if you desaturate by 10%, it is **47.4805, 0.2762, 0.3203**.

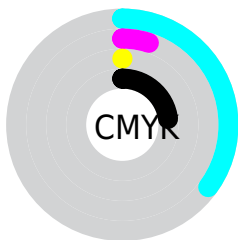
Distribution



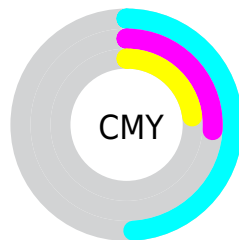
- Red (51%)
- Green (74%)
- Blue (77%)



- Red (51%)
- Yellow (63%)
- Blue (77%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (49%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6648, 0.2627, 0.3162 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 44.6648, 0.2627, 0.3162 by changing the saturation by 10% instead.

 44.6648, 0.2627,
0.3162


 44.6648, 0.2627,
0.3162


365.4143, 0.2875,
0.3231

 31.1935, 0.2566,
0.3143


 82.2172, 0.2716,
0.3188

 20.7462, 0.2488,
0.3118

 107.0670, 0.2750,
0.3198

 12.9386, 0.2386,
0.3084

 136.4785, 0.2779,
0.3206

 7.3863, 0.2246,
0.3033

170.8360, 0.2803,
0.3212

 3.7048, 0.2041,
0.2952

210.5240, 0.2825,
0.3218

 1.5099, 0.1721,
0.2805

255.9267, 0.2843,

 0.2957, 0.0000,

0.3223

0.2169

307.4287, 0.2860,
0.3227

0.0000, 0.0000,
0.0000

44.6648, 0.2627,
0.3162

44.6648, 0.2627,
0.3162

42.1699, 0.2504,
0.3119

47.4805, 0.2762,
0.3203

39.9733, 0.2396,
0.3075

50.6277, 0.2907,
0.3240

38.0578, 0.2305,
0.3029

54.1229, 0.3058,
0.3275

36.4020, 0.2232,
0.2982

57.9798, 0.3211,
0.3307

34.9813, 0.2179,
0.2936

62.2117, 0.3366,
0.3336

■ 33.7657, 0.2144,
0.2890

■ 66.8308, 0.3520,
0.3361

■ 33.1572, 0.2129,
0.2865

■ 69.5330, 0.3576,
0.3386

■ 70.7964, 0.3571,
0.3413

■ 72.0806, 0.3565,
0.3439

Harmonies

Analogous

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



44.6648, 0.2778, 0.3429



44.6648, 0.2627, 0.3162



44.6648, 0.2604, 0.2948

Triad

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



44.6648, 0.2627, 0.3162



44.6648, 0.3213, 0.2954



44.6648, 0.3548, 0.3756

Complementary

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



44.6648, 0.2627, 0.3162



31.6088, 0.3893, 0.3413

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.



44.6648, 0.3678, 0.3603



44.6648, 0.2627, 0.3162



44.6648, 0.3481, 0.3147

Square

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



44.6648, 0.2627, 0.3162



44.6648, 0.2932, 0.2841



44.6648, 0.3654, 0.3380



44.6648, 0.3306, 0.3785

Rectangle

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



44.6648, 0.2627, 0.3162



44.6648, 0.2662, 0.2860



44.6648, 0.3654, 0.3380



44.6648, 0.3606, 0.3716

Sweetspot

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



44.6666, 0.2627, 0.3162



93.3526, 0.2972, 0.3256



46.3945, 0.3027, 0.4190



19.7927, 0.2951, 0.3251



0.0000, 0.0000, 0.0000



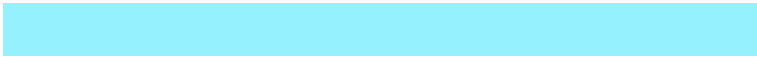
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6666, 0.2627, 0.3162



76.7798, 0.2538, 0.3132



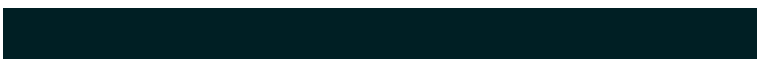
32.1476, 0.2562, 0.2670



11.8196, 0.2984, 0.3259



21.8991, 0.2131, 0.2871



1.1050, 0.2158, 0.2967

Inverse Universe

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



31.1880, 0.3257, 0.2543



49.5798, 0.3290, 0.2394



42.5441, 0.3746, 0.3838



10.7916, 0.3157, 0.3092



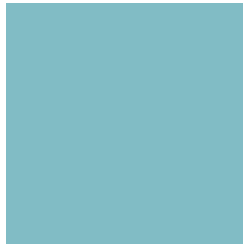
9.7507, 0.3569, 0.1740



0.4686, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 44.6648, 0.2627, 0.3162 looks on a white background.

Color Contrast Check

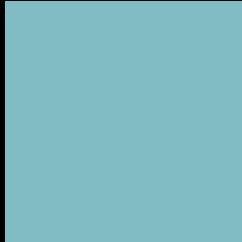
Large Text (above 18pt) WCAG AA × Fail

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 44.6648, 0.2627, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

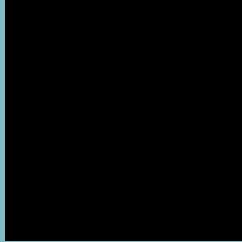
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

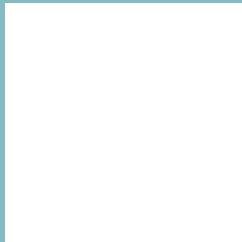
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6648, 0.2627, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 44.6648, 0.2627, 0.3162.

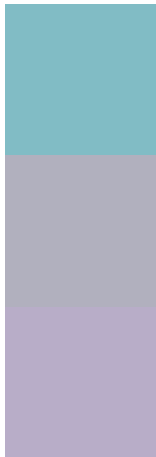


This preview shows how white text looks on a background with the Yxy color 44.6648, 0.2627, 0.3162.

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

44.6648, 0.2627, 0.3162

Protanopia

44.1155, 0.3024, 0.3106

Deuteranopia

44.2476, 0.3005, 0.2946



Tritanopia

44.5507, 0.2601, 0.3079

Trichromacy



Original Color

44.6648, 0.2627, 0.3162

Protanomaly

43.9664, 0.2864, 0.3113

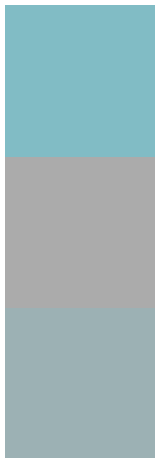
Deuteranomaly

43.8568, 0.2851, 0.3010

Tritanomaly

44.4566, 0.2613, 0.3106

Monochromacy



Original Color

44.6648, 0.2627, 0.3162

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.8075, 0.2926, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6648, 0.2627, 0.3162 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(129, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(129, 188, 197)  
}
```

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(129, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 188, 197) }
```

Border

The CSS property to change the border of an element to Yxy 44.6648, 0.2627, 0.3162 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(129, 188, 197) }
```

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

```
.border{ border-color:rgb(129, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(129, 188,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6648, 0.2627, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 188, 197) }
```

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

```
.background{ background-color: rgb(129,  
188, 197) }
```

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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