

Converting Colors

$Yxy(46.9674, 0.2693, 0.3582)$

Have a look what the booklet for
Yxy(46.9674, 0.2693, 0.3582)
contains.

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Color

Yxy(46.8887, 0.2692, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	75C5B1
RGB	117, 197, 177
RGB Percent	46%, 77%, 69%
CMY	0.5411, 0.2274, 0.3060
CMYK	0.41, 0.00, 0.10, 0.23
HSL	165°, 41%, 62%
HSV	165°, 41%, 77%
XYZ	35.2385, 46.8887, 48.7737
YIQ	170.8000, -41.2600, -23.1800

Conversions

Conversions Part 2

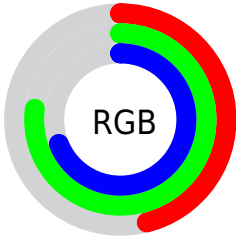
Format	Color
RYB	117, 163, 197
Decimal	7718321
CIELab	74.12, -29.25, 2.35
CIElCh	74, 29.341, 175.409
Yxy	46.8887, 0.2692, 0.3582
Android (android.graphics.Color)	4285908401 (0xFF75C5B1)
YUV	170.8000, 3.0566, -47.1826
Hunter-Lab	68.4753, -27.9728, 5.7016

Details

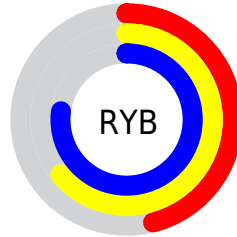
The Yxy color **46.8887, 0.2692, 0.3582** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.4075, 0.3884, 0.3024**, and the grayscale version is **40.6221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5375, 0.2767, 0.3524**, and **22.1497, 0.2563, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **45.4730, 0.2612, 0.3668**, and if you desaturate by 10%, it is **48.6025, 0.2786, 0.3501**.

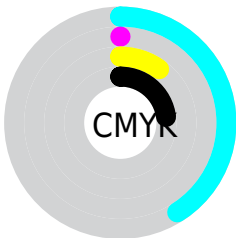
Distribution



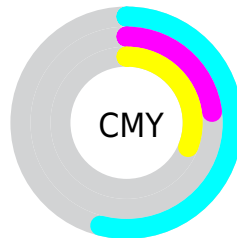
- Red (46%)
- Green (77%)
- Blue (69%)



- Red (46%)
- Yellow (64%)
- Blue (77%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)




- Cyan (54%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8887, 0.2692, 0.3582 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 46.8887, 0.2692, 0.3582 by changing the saturation by 10% instead.

 46.8887, 0.2692,
0.3582


 46.8887, 0.2692,
0.3582


374.3701, 0.2909,
0.3435


 32.9477, 0.2638,
0.3619


 85.5475, 0.2771,
0.3528

 22.0864, 0.2568,
0.3667


 111.0340, 0.2801,
0.3508

 13.9204, 0.2476,
0.3731


 141.1378, 0.2826,
0.3491

 8.0653, 0.2348,
0.3821

176.2433, 0.2847,
0.3477

 4.1368, 0.2158,
0.3958

216.7349, 0.2866,
0.3464

 1.7504, 0.1846,
0.4187

262.9970, 0.2882,

 0.4559, 0.0000,

0.3453

0.5785

315.4139, 0.2897,
0.3443

0.0000, 0.0000,
0.0000

46.8887, 0.2692,
0.3582

46.8887, 0.2692,
0.3582

45.4730, 0.2612,
0.3668

48.6025, 0.2786,
0.3501

44.3314, 0.2548,
0.3758

50.6253, 0.2890,
0.3426

43.4456, 0.2503,
0.3850


52.9744, 0.3003,
0.3356


42.7923, 0.2477,
0.3943


55.6642, 0.3120,
0.3294


42.3442, 0.2471,
0.4036

58.7081, 0.3240,
0.3237

 42.0610, 0.2479,
0.4123

 62.1190, 0.3361,
0.3187

 65.9088, 0.3480,
0.3142

 66.1742, 0.3442,
0.3092

 66.4340, 0.3404,
0.3043

Harmonies

Analogous

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



46.8887, 0.3064, 0.3908



46.8887, 0.2692, 0.3582



46.8887, 0.2445, 0.3180

Triad

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



46.8887, 0.2692, 0.3582



46.8887, 0.2758, 0.2637



46.8887, 0.3943, 0.3658

Complementary

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



46.8887, 0.2692, 0.3582



26.4075, 0.3884, 0.3024

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.



46.8887, 0.3857, 0.3329



46.8887, 0.2692, 0.3582



46.8887, 0.3149, 0.2765

Square

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



46.8887, 0.2692, 0.3582



46.8887, 0.2482, 0.2660



46.8887, 0.3559, 0.3011



46.8887, 0.3795, 0.3921

Rectangle

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



46.8887, 0.2692, 0.3582



46.8887, 0.2376, 0.2944



46.8887, 0.3559, 0.3011



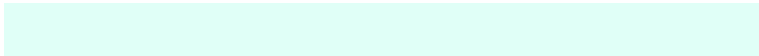
46.8887, 0.3941, 0.3551

Sweetspot

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



46.8906, 0.2692, 0.3582



94.1675, 0.2984, 0.3367



46.6520, 0.3229, 0.4467



20.0316, 0.2969, 0.3376



0.0000, 0.0000, 0.0000



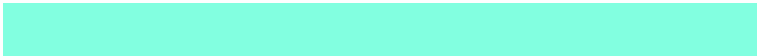
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8906, 0.2692, 0.3582



81.6358, 0.2618, 0.3661



39.7920, 0.2532, 0.3016



12.0204, 0.3017, 0.3348



27.6788, 0.2475, 0.4111



1.3217, 0.2422, 0.3918

Inverse Universe

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



26.4075, 0.3884, 0.3024



39.8239, 0.4152, 0.2969



30.6764, 0.4042, 0.3543



10.6798, 0.3251, 0.3232



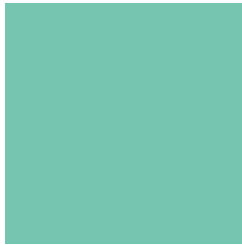
7.9669, 0.5907, 0.3028



0.3893, 0.5295, 0.2690

Previews

White Background



This preview shows how the Yxy color 46.8887, 0.2692, 0.3582 looks on a white background.

Color Contrast Check

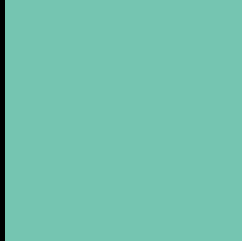
Large Text (above 18pt) WCAG AA × Fail

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 46.8887, 0.2692, 0.3582 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

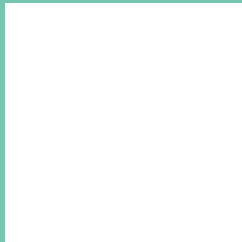
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8887, 0.2692, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 46.8887, 0.2692, 0.3582.

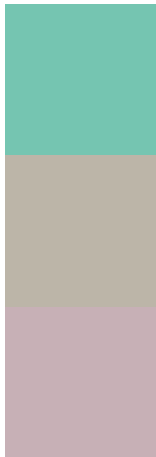


This preview shows how white text looks on a background with the Yxy color 46.8887, 0.2692, 0.3582.

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

46.8887, 0.2692, 0.3582

Protanopia

46.5663, 0.3294, 0.3460

Deuteranopia

46.5702, 0.3281, 0.3215



Tritanopia

46.6133, 0.2547, 0.3068

Trichromacy



Original Color

46.8887, 0.2692, 0.3582

Protanomaly

46.1623, 0.3043, 0.3510

Deuteranomaly

46.0113, 0.3033, 0.3344

Tritanomaly

46.7524, 0.2596, 0.3246

Monochromacy



Original Color

46.8887, 0.2692, 0.3582

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2390, 0.2939, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8887, 0.2692, 0.3582 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(117, 197, 177)` looks like.

```
.text, #text, p{  
    color:rgb(117, 197, 177)  
}
```

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(117, 197, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 197, 177) }
```

Border

The CSS property to change the border of an element to Yxy 46.8887, 0.2692, 0.3582 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(117, 197, 177) }
```

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

```
.border{ border-color:rgb(117, 197, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 197, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 197, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 197, 177);  
box-shadow:4px 4px 4px 4px rgb(117, 197,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8887, 0.2692, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 197, 177) }
```

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

```
.background{ background-color: rgb(117,  
197, 177) }
```

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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