

Converting Colors

$Yxy(47.1285, 0.2627, 0.3401)$

Have a look what the booklet for
Yxy(47.1285, 0.2627, 0.3401)
contains.

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Color

Yxy(47.0055, 0.2624, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	76C4BD
RGB	118, 196, 189
RGB Percent	46%, 77%, 74%
CMY	0.5373, 0.2313, 0.2588
CMYK	0.40, 0.00, 0.04, 0.23
HSL	175°, 40%, 62%
HSV	175°, 40%, 77%
XYZ	36.3949, 47.0055, 55.2998
YIQ	171.8800, -44.2410, -18.7130

Conversions

Conversions Part 2

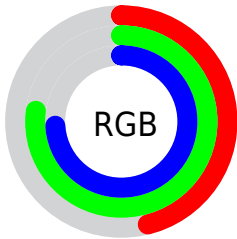
Format	Color
R _{YB}	118, 159, 196
Decimal	7783613
CIE Lab	74.19, -25.68, -4.06
CIE LCh	74, 26.002, 188.992
Yxy	47.0055, 0.2624, 0.3389
Android (android.graphics.Color)	4285973693 (0xFF76C4BD)
YUV	171.8800, 8.4402, -47.2528
Hunter-Lab	68.5606, -25.2254, 0.1701

Details

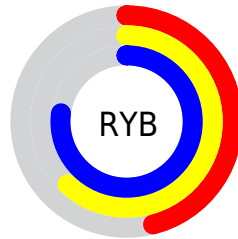
The Yxy color **47.0055, 0.2624, 0.3389** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.1707, 0.4026, 0.3198**, and the grayscale version is **41.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8418, 0.2717, 0.3377**, and **22.1803, 0.2485, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **45.6990, 0.2529, 0.3418**, and if you desaturate by 10%, it is **48.6018, 0.2734, 0.3361**.

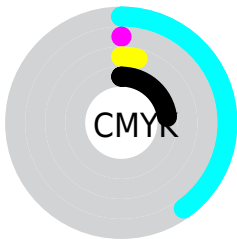
Distribution



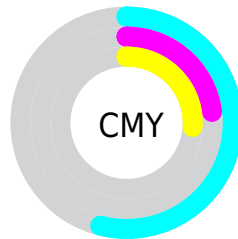
- Red (46%)
- Green (77%)
- Blue (74%)



- Red (46%)
- Yellow (62%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (54%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0055, 0.2624, 0.3389 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 47.0055, 0.2624, 0.3389 by changing the saturation by 10% instead.


 47.0055, 0.2624,
0.3389


 47.0055, 0.2624,
0.3389

374.8365, 0.2872,
0.3343


 33.0400, 0.2563,
0.3399


 85.7218, 0.2714,
0.3373

 22.1571, 0.2485,
0.3412


 111.2415, 0.2747,
0.3367

 13.9724, 0.2383,
0.3428


 141.3812, 0.2776,
0.3361

 8.1015, 0.2243,
0.3448

176.5256, 0.2801,
0.3357

 4.1599, 0.2040,
0.3473

217.0589, 0.2822,
0.3353

 1.7634, 0.1721,
0.3502

263.3656, 0.2841,

 0.4642, 0.0000,

0.3349

0.3702

315.8299, 0.2858,
0.3346

0.0000, 0.0000,
0.0000

47.0055, 0.2624,
0.3389

47.0055, 0.2624,
0.3389

45.6990, 0.2529,
0.3418

48.6018, 0.2734,
0.3361

44.6588, 0.2452,
0.3448

50.4984, 0.2857,
0.3336

43.8671, 0.2393,
0.3478


52.7125, 0.2990,
0.3312


43.3013, 0.2353,
0.3509


55.2579, 0.3130,
0.3290

42.9347, 0.2332,
0.3539

58.1478, 0.3274,
0.3270

 42.7173, 0.2325,
0.3569

 61.3948, 0.3420,
0.3252

 42.7134, 0.2325,
0.3570

 64.9745, 0.3565,
0.3236

 65.0580, 0.3550,
0.3218

 65.1424, 0.3536,
0.3200

Harmonies

Analogous

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



47.0055, 0.2914, 0.3720



47.0055, 0.2624, 0.3389



47.0055, 0.2469, 0.3049

Triad

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



47.0055, 0.2624, 0.3389



47.0055, 0.2950, 0.2742



47.0055, 0.3815, 0.3738

Complementary

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



47.0055, 0.2624, 0.3389



26.1707, 0.4026, 0.3198

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.



47.0055, 0.3833, 0.3464



47.0055, 0.2624, 0.3389



47.0055, 0.3317, 0.2910

Square

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



47.0055, 0.2624, 0.3389



47.0055, 0.2648, 0.2701



47.0055, 0.3647, 0.3167



47.0055, 0.3605, 0.3915

Rectangle

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



47.0055, 0.2624, 0.3389



47.0055, 0.2457, 0.2871



47.0055, 0.3647, 0.3167



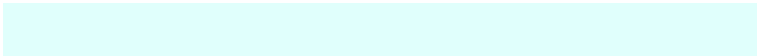
47.0055, 0.3845, 0.3654

Sweetspot

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



47.0074, 0.2624, 0.3389



94.4756, 0.2958, 0.3317



45.2097, 0.3127, 0.4477



20.1045, 0.2940, 0.3320



0.0000, 0.0000, 0.0000



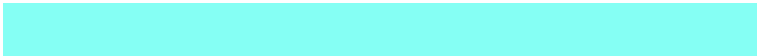
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0074, 0.2624, 0.3389



83.0065, 0.2538, 0.3415



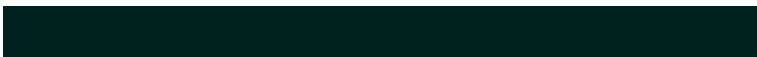
34.6740, 0.2512, 0.2823



11.4124, 0.2996, 0.3311



27.4501, 0.2324, 0.3566



1.1907, 0.2305, 0.3498

Inverse Universe

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



26.1707, 0.4026, 0.3198



39.9267, 0.4347, 0.3180



34.6007, 0.3946, 0.3709



10.0922, 0.3275, 0.3270



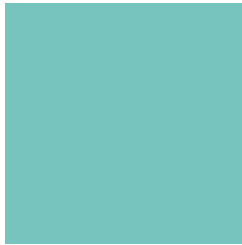
7.5736, 0.6286, 0.3237



0.3323, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 47.0055, 0.2624, 0.3389 looks on a white background.

Color Contrast Check

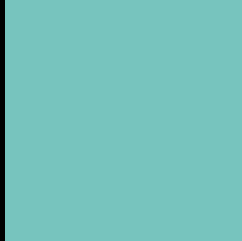
Large Text (above 18pt) WCAG AA × Fail

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 47.0055, 0.2624, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

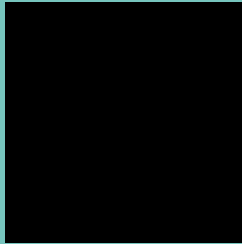
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

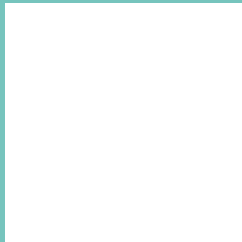
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0055, 0.2624, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 47.0055, 0.2624, 0.3389.



This preview shows how white text looks on a background with the Yxy color 47.0055, 0.2624, 0.3389.

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

47.0055, 0.2624, 0.3389

Protanopia

46.6573, 0.3169, 0.3303

Deuteranopia

46.3703, 0.3146, 0.3078



Tritanopia

46.9543, 0.2532, 0.3068

Trichromacy



Original Color

47.0055, 0.2624, 0.3389

Protanomaly

46.1138, 0.2947, 0.3330

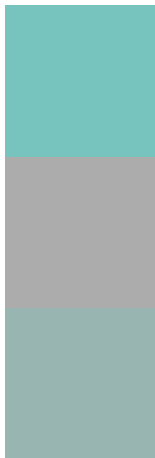
Deuteranomaly

45.7797, 0.2920, 0.3170

Tritanomaly

46.9128, 0.2562, 0.3176

Monochromacy



Original Color

47.0055, 0.2624, 0.3389

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.9375, 0.2910, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0055, 0.2624, 0.3389 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(118, 196, 189)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 189)  
}
```

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(118, 196, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.0055, 0.2624, 0.3389 is called "border". The border property can be set on classes, ids or directly on the HTML element.

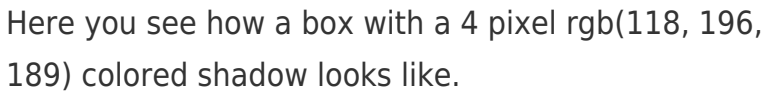
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 196, 189) }
```

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

```
.border{ border-color:rgb(118, 196, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 196, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 196, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 196, 189); box-shadow:4px 4px 4px 4px rgb(118, 196, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0055, 0.2624, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 189) }
```

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

```
.background{ background-color: rgb(118,  
196, 189) }
```

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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