

Converting Colors

$Yxy(46.9733, 0.2676, 0.3456)$

Have a look what the booklet for
Yxy(46.9733, 0.2676, 0.3456)
contains.

Yxy(47.0781, 0.2678, 0.3461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.0781, 0.2678, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	7AC4B8
RGB	122, 196, 184
RGB Percent	48%, 77%, 72%
CMY	0.5212, 0.2314, 0.2784
CMYK	0.38, 0.00, 0.06, 0.23
HSL	170°, 39%, 62%
HSV	170°, 38%, 77%
XYZ	36.4274, 47.0781, 52.5191
YIQ	172.5060, -40.2520, -19.4200

Conversions

Conversions Part 2

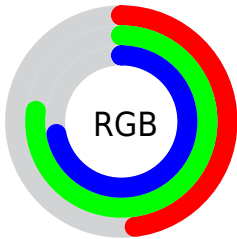
Format	Color
R _Y B	122, 162, 196
Decimal	8045752
CIE Lab	74.24, -25.77, -1.26
CIE LCh	74, 25.806, 182.806
Yxy	47.0781, 0.2678, 0.3461
Android (android.graphics.Color)	4286235832 (0xFF7AC4B8)
YUV	172.5060, 5.6665, -44.2938
Hunter-Lab	68.6135, -25.3067, 2.6469

Details

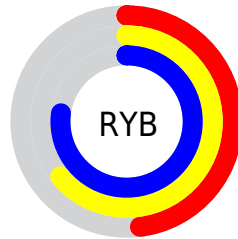
The Yxy color **47.0781, 0.2678, 0.3461** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3981, 0.3890, 0.3131**, and the grayscale version is **41.5214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8889, 0.2757, 0.3432**, and **22.2136, 0.2553, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **45.6577, 0.2586, 0.3514**, and if you desaturate by 10%, it is **48.7939, 0.2784, 0.3411**.

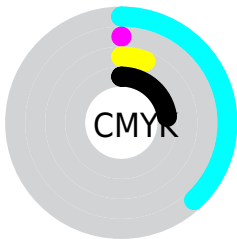
Distribution



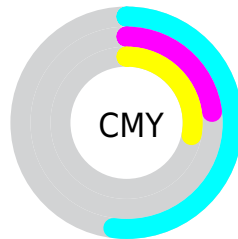
- Red (48%)
- Green (77%)
- Blue (72%)



- Red (48%)
- Yellow (64%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)





- Cyan (52%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0781, 0.2678, 0.3461 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 47.0781, 0.2678, 0.3461 by changing the saturation by 10% instead.


 47.0781, 0.2678,
0.3461

 47.0781, 0.2678,
0.3461

375.1262, 0.2901,
0.3377

 33.0974, 0.2623,
0.3481


 85.8302, 0.2759,
0.3431

 22.2011, 0.2553,
0.3507

 111.3704, 0.2789,
0.3419

 14.0047, 0.2460,
0.3542


 141.5325, 0.2815,
0.3410

 8.1239, 0.2332,
0.3588

176.7010, 0.2837,
0.3401

 4.1744, 0.2144,
0.3655

217.2602, 0.2856,
0.3394

 1.7716, 0.1845,
0.3758

263.5945, 0.2873,

 0.4694, 0.0000,

0.3388

0.4392

316.0884, 0.2888,
0.3382

0.0000, 0.0000,
0.0000

47.0781, 0.2678,
0.3461

47.0781, 0.2678,
0.3461

45.6577, 0.2586,
0.3514

48.7939, 0.2784,
0.3411

44.5094, 0.2510,
0.3570

50.8153, 0.2901,
0.3364

43.6160, 0.2452,
0.3627


53.1591, 0.3027,
0.3321


42.9554, 0.2414,
0.3684


55.8392, 0.3158,
0.3281


42.5020, 0.2395,
0.3742

58.8686, 0.3291,
0.3246


 42.2186, 0.2392,
0.3799

 62.2596, 0.3426,
0.3215

 42.1631, 0.2392,
0.3813

 65.2032, 0.3525,
0.3186

 65.3594, 0.3499,
0.3153

 65.5188, 0.3474,
0.3121

Harmonies

Analogous

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



47.0781, 0.2987, 0.3771



47.0781, 0.2678, 0.3461



47.0781, 0.2493, 0.3116

Triad

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



47.0781, 0.2678, 0.3461



47.0781, 0.2881, 0.2727



47.0781, 0.3830, 0.3684

Complementary

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



47.0781, 0.2678, 0.3461



27.3981, 0.3890, 0.3131

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.



47.0781, 0.3805, 0.3402



47.0781, 0.2678, 0.3461



47.0781, 0.3240, 0.2870

Square

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



47.0781, 0.2678, 0.3461



47.0781, 0.2605, 0.2714



47.0781, 0.3584, 0.3111



47.0781, 0.3657, 0.3886

Rectangle

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



47.0781, 0.2678, 0.3461



47.0781, 0.2458, 0.2923



47.0781, 0.3584, 0.3111



47.0781, 0.3845, 0.3596

Sweetspot

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



47.0800, 0.2678, 0.3461



94.7734, 0.2982, 0.3335



45.9839, 0.3166, 0.4392



20.1588, 0.2965, 0.3341



0.0000, 0.0000, 0.0000



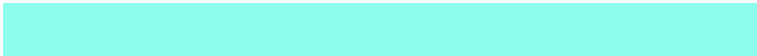
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0800, 0.2678, 0.3461



83.1966, 0.2603, 0.3503



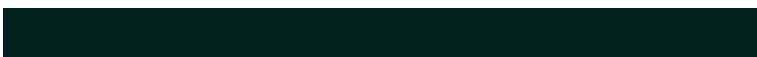
37.3893, 0.2555, 0.2927



11.3995, 0.3005, 0.3328



27.1059, 0.2390, 0.3804



1.1788, 0.2355, 0.3677

Inverse Universe

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



27.3981, 0.3890, 0.3131



42.5873, 0.4140, 0.3099



33.9226, 0.3916, 0.3622



10.1039, 0.3264, 0.3253



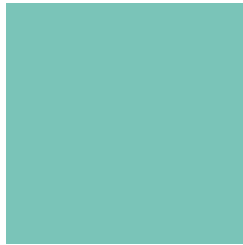
7.6155, 0.6147, 0.3160



0.3376, 0.5588, 0.2852

Previews

White Background



This preview shows how the Yxy color 47.0781, 0.2678, 0.3461 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 47.0781, 0.2678, 0.3461 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

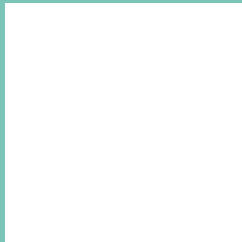
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0781, 0.2678, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 47.0781, 0.2678, 0.3461.



This preview shows how white text looks on a background with the Yxy color 47.0781, 0.2678, 0.3461.

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

47.0781, 0.2678, 0.3461

Protanopia

46.5820, 0.3219, 0.3368

Deuteranopia

46.4173, 0.3204, 0.3140



Tritanopia

46.8425, 0.2564, 0.3069

Trichromacy



Original Color

47.0781, 0.2678, 0.3461

Protanomaly

46.1187, 0.2999, 0.3399

Deuteranomaly

45.8898, 0.2981, 0.3236

Tritanomaly

46.6991, 0.2606, 0.3205

Monochromacy



Original Color

47.0781, 0.2678, 0.3461

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0921, 0.2934, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0781, 0.2678, 0.3461 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(122, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(122, 196, 184)  
}
```

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(122, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 196, 184) }
```

Border

The CSS property to change the border of an element to Yxy 47.0781, 0.2678, 0.3461 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(122, 196, 184) }
```

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

```
.border{ border-color:rgb(122, 196, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 196, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 196, 184); box-shadow:4px 4px 4px 4px rgb(122, 196, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0781, 0.2678, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 196, 184) }
```

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

```
.background{ background-color: rgb(122,  
196, 184) }
```

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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