

Converting Colors

$Y_{xy}(47.7863, 0.2702, 0.3472)$

Have a look what the booklet for
Yxy(47.7863, 0.2702, 0.3472)
contains.

Yxy(47.8288, 0.2704, 0.3474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8288, 0.2704, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	7EC5B8
RGB	126, 197, 184
RGB Percent	49%, 77%, 72%
CMY	0.5057, 0.2275, 0.2784
CMYK	0.36, 0.00, 0.07, 0.23
HSL	169°, 38%, 63%
HSV	169°, 36%, 77%
XYZ	37.2277, 47.8288, 52.6199
YIQ	174.2890, -38.1430, -19.0950

Conversions

Conversions Part 2

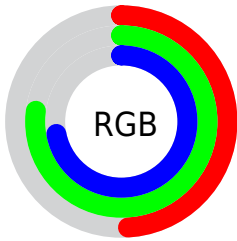
Format	Color
RYB	126, 165, 197
Decimal	8308152
CIELab	74.72, -25.19, -0.54
CIElCh	75, 25.197, 181.231
Yxy	47.8288, 0.2704, 0.3474
Android (android.graphics.Color)	4286498232 (0xFF7EC5B8)
YUV	174.2890, 4.7875, -42.3495
Hunter-Lab	69.1584, -24.9412, 3.2994

Details

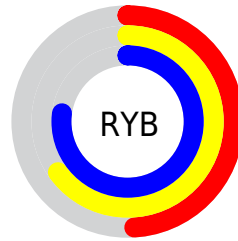
The Yxy color **47.8288, 0.2704, 0.3474** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.6693, 0.3823, 0.3118**, and the grayscale version is **42.4797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9986, 0.2778, 0.3442**, and **22.7001, 0.2590, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **46.3276, 0.2611, 0.3534**, and if you desaturate by 10%, it is **49.6326, 0.2810, 0.3418**.

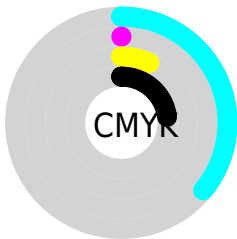
Distribution



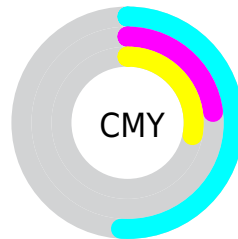
- Red (49%)
- Green (77%)
- Blue (72%)



- Red (49%)
- Yellow (65%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)



- Cyan (51%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8288, 0.2704, 0.3474 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 47.8288, 0.2704, 0.3474 by changing the saturation by 10% instead.

■ 47.8288, 0.2704,
0.3474

■ 47.8288, 0.2704,
0.3474

378.1131, 0.2914,
0.3383

■ 33.6913, 0.2652,
0.3496

■ 86.9495, 0.2780,
0.3441

■ 22.6566, 0.2586,
0.3525

■ 112.7014, 0.2808,
0.3429

■ 14.3401, 0.2499,
0.3562

■ 143.0937, 0.2833,
0.3418

■ 8.3576, 0.2379,
0.3613

178.5106, 0.2853,
0.3409

■ 4.3246, 0.2202,
0.3688

219.3366, 0.2871,
0.3402

■ 1.8568, 0.1921,
0.3806

265.9561, 0.2887,

■ 0.5222, 0.0000,

0.3395

0.4627

318.7535, 0.2901,
0.3389

0.0000, 0.0000,
0.0000

47.8288, 0.2704,
0.3474

47.8288, 0.2704,
0.3474

46.3276, 0.2611,
0.3534

49.6326, 0.2810,
0.3418

45.1059, 0.2534,
0.3597

51.7492, 0.2926,
0.3365

44.1463, 0.2475,
0.3662


54.1954, 0.3050,
0.3317

43.4271, 0.2435,
0.3728


56.9851, 0.3179,
0.3273

42.9232, 0.2414,
0.3794

60.1314, 0.3310,
0.3234

 42.6027, 0.2411,
0.3859

 63.6467, 0.3441,
0.3199

 42.5011, 0.2413,
0.3885

 65.8064, 0.3499,
0.3165

 65.9873, 0.3470,
0.3129

 66.1724, 0.3442,
0.3092

Harmonies

Analogous

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



47.8288, 0.3009, 0.3769



47.8288, 0.2704, 0.3474



47.8288, 0.2516, 0.3138

Triad

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



47.8288, 0.2704, 0.3474



47.8288, 0.2872, 0.2738



47.8288, 0.3814, 0.3661

Complementary

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



47.8288, 0.2704, 0.3474



28.6693, 0.3823, 0.3118

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.



47.8288, 0.3779, 0.3385



47.8288, 0.2704, 0.3474



47.8288, 0.3218, 0.2871

Square

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



47.8288, 0.2704, 0.3474



47.8288, 0.2609, 0.2733



47.8288, 0.3556, 0.3102



47.8288, 0.3655, 0.3862

Rectangle

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



47.8288, 0.2704, 0.3474



47.8288, 0.2476, 0.2947



47.8288, 0.3556, 0.3102



47.8288, 0.3825, 0.3574

Sweetspot

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



47.8307, 0.2704, 0.3474



94.7364, 0.2986, 0.3341



46.9318, 0.3175, 0.4333



20.1499, 0.2969, 0.3348



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.



47.8307, 0.2704, 0.3474



83.5654, 0.2632, 0.3520



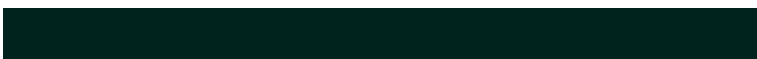
38.9474, 0.2582, 0.2963



12.0330, 0.3008, 0.3333



27.9678, 0.2410, 0.3877



1.3332, 0.2372, 0.3740

Inverse Universe

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



28.6693, 0.3823, 0.3118



44.3500, 0.4048, 0.3082



34.7193, 0.3876, 0.3592



10.6681, 0.3261, 0.3248



7.9008, 0.6099, 0.3134



0.3840, 0.5540, 0.2826

Previews

White Background



This preview shows how the Yxy color 47.8288, 0.2704, 0.3474 looks on a white background.

Color Contrast Check

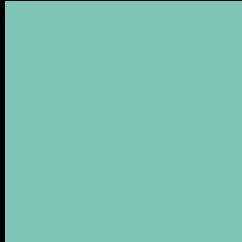
Large Text (above 18pt) WCAG AA × Fail

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 47.8288, 0.2704, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

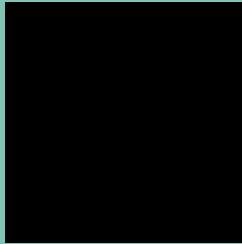
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

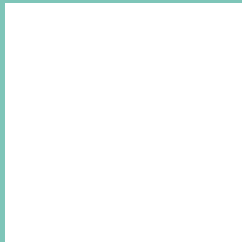
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8288, 0.2704, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 47.8288, 0.2704, 0.3474.

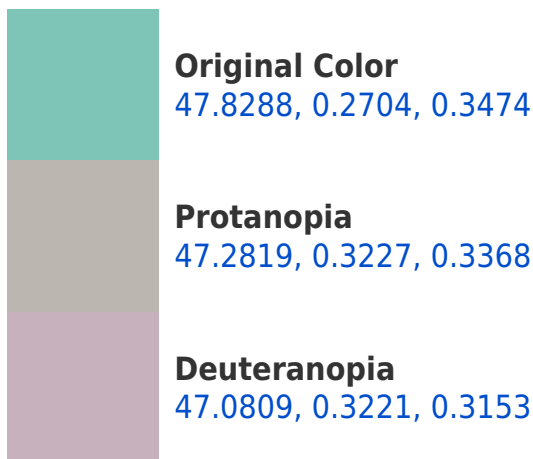


This preview shows how white text looks on a background with the Yxy color 47.8288, 0.2704, 0.3474.

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





Tritanopia

47.6489, 0.2584, 0.3071

Trichromacy



Original Color

47.8288, 0.2704, 0.3474

Protanomaly

46.7947, 0.3008, 0.3398

Deuteranomaly

46.6395, 0.3005, 0.3250

Tritanomaly

47.4995, 0.2627, 0.3205

Monochromacy



Original Color

47.8288, 0.2704, 0.3474

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8383, 0.2951, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8288, 0.2704, 0.3474 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(126, 197, 184)` looks like.

```
.text, #text, p{  
    color:rgb(126, 197, 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(126, 197, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 197, 184) }
```

Border

The CSS property to change the border of an element to Yxy 47.8288, 0.2704, 0.3474 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(126, 197, 184) }
```

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

```
.border{ border-color:rgb(126, 197, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 197, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 197, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 197, 184);  
box-shadow:4px 4px 4px 4px rgb(126, 197,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8288, 0.2704, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 197, 184) }
```

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

```
.background{ background-color: rgb(126,  
197, 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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