

Converting Colors

$Yxy(47.9947, 0.2624, 0.3502)$

Have a look what the booklet for
Yxy(47.9947, 0.2624, 0.3502)
contains.

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Color

$\text{Yxy}(47.7944, 0.2620, 0.3491)$

Conversions

Conversions Part 1

Format	Color
Hex	70C7B9
RGB	112, 199, 185
RGB Percent	44%, 78%, 73%
CMY	0.5605, 0.2196, 0.2744
CMYK	0.44, 0.00, 0.07, 0.22
HSL	170°, 44%, 61%
HSV	170°, 44%, 78%
XYZ	35.8698, 47.7944, 53.2433
YIQ	171.3910, -47.3580, -22.7980

Conversions

Conversions Part 2

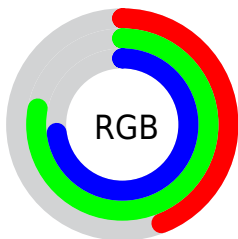
Format	Color
RYB	112, 159, 199
Decimal	7391161
CIELab	74.70, -29.60, -1.20
CIELCh	75, 29.624, 182.314
Yxy	47.7944, 0.2620, 0.3491
Android (android.graphics.Color)	4285581241 (0xFF70C7B9)
YUV	171.3910, 6.7092, -52.0859
Hunter-Lab	69.1335, -28.3693, 2.7311

Details

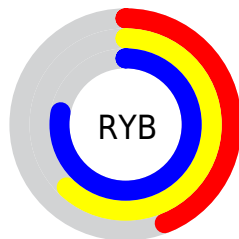
The Yxy color **47.7944, 0.2620, 0.3491** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.2511, 0.4076, 0.3108**, and the grayscale version is **40.9237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1957, 0.2709, 0.3444**, and **22.7290, 0.2480, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **46.4975, 0.2537, 0.3545**, and if you desaturate by 10%, it is **49.3866, 0.2718, 0.3439**.

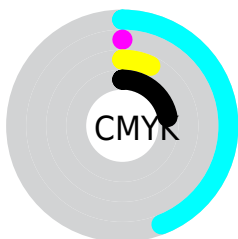
Distribution



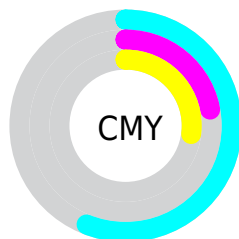
- Red (44%)
- Green (78%)
- Blue (73%)



- Red (44%)
- Yellow (62%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (56%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7944, 0.2620, 0.3491 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 47.7944, 0.2620, 0.3491 by changing the saturation by 10% instead.


 47.7944, 0.2620,
0.3491

 47.7944, 0.2620,
0.3491

377.9766, 0.2871,
0.3393

 33.6641, 0.2558,
0.3515


 86.8982, 0.2710,
0.3456

 22.6357, 0.2480,
0.3545


 112.6405, 0.2745,
0.3442

 14.3247, 0.2377,
0.3585


 143.0223, 0.2774,
0.3431

 8.3469, 0.2235,
0.3639

178.4278, 0.2798,
0.3421

 4.3177, 0.2028,
0.3716

219.2417, 0.2820,
0.3413

 1.8528, 0.1704,
0.3833

265.8482, 0.2839,

 0.5198, 0.0000,

0.3405

0.4445

318.6317, 0.2856,
0.3399

0.0000, 0.0000,
0.0000

47.7944, 0.2620,
0.3491

47.7944, 0.2620,
0.3491

46.4975, 0.2537,
0.3545

49.3866, 0.2718,
0.3439

45.4711, 0.2472,
0.3601

51.2859, 0.2829,
0.3391

44.6953, 0.2426,
0.3658


53.5103, 0.2950,
0.3346

44.1455, 0.2399,
0.3716

56.0748, 0.3079,
0.3304

43.7915, 0.2390,
0.3773


58.9933, 0.3211,
0.3267

 43.6339, 0.2391,
0.3808

 62.2792, 0.3346,
0.3233

 65.9450, 0.3481,
0.3204

 66.7874, 0.3485,
0.3172

 66.9490, 0.3460,
0.3139

Harmonies

Analogous

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



47.7944, 0.2971, 0.3850



47.7944, 0.2620, 0.3491



47.7944, 0.2410, 0.3093

Triad

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



47.7944, 0.2620, 0.3491



47.7944, 0.2840, 0.2652



47.7944, 0.3931, 0.3728

Complementary

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



47.7944, 0.2620, 0.3491



25.2511, 0.4076, 0.3108

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.



47.7944, 0.3901, 0.3407



47.7944, 0.2620, 0.3491



47.7944, 0.3247, 0.2811

Square

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



47.7944, 0.2620, 0.3491



47.7944, 0.2530, 0.2638



47.7944, 0.3644, 0.3080



47.7944, 0.3734, 0.3965

Rectangle

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



47.7944, 0.2620, 0.3491



47.7944, 0.2369, 0.2874



47.7944, 0.3644, 0.3080



47.7944, 0.3948, 0.3626

Sweetspot

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



47.7963, 0.2620, 0.3491



93.9074, 0.2957, 0.3343



46.4928, 0.3167, 0.4596



19.9010, 0.2929, 0.3353



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.



47.7963, 0.2620, 0.3491



81.6092, 0.2544, 0.3540



36.3280, 0.2469, 0.2858



12.0371, 0.3005, 0.3327



28.0706, 0.2389, 0.3801



1.3372, 0.2356, 0.3682

Inverse Universe

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



25.2511, 0.4076, 0.3108



37.2825, 0.4394, 0.3076



32.3743, 0.4088, 0.3675



10.6643, 0.3265, 0.3253



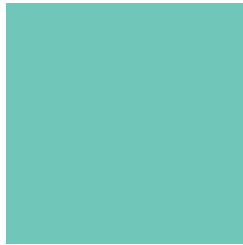
7.8833, 0.6153, 0.3163



0.3823, 0.5628, 0.2874

Previews

White Background



This preview shows how the Yxy color 47.7944, 0.2620, 0.3491 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 47.7944, 0.2620, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

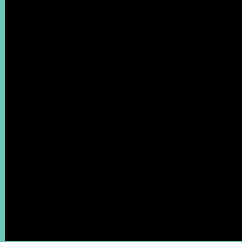
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

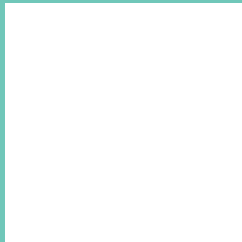
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7944, 0.2620, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 47.7944, 0.2620, 0.3491.

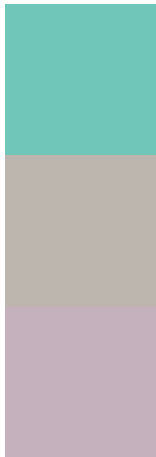


This preview shows how white text looks on a background with the Yxy color 47.7944, 0.2620, 0.3491.

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

47.7944, 0.2620, 0.3491

Protanopia

47.2424, 0.3235, 0.3381

Deuteranopia

47.0323, 0.3196, 0.3128



Tritanopia

47.6553, 0.2503, 0.3068

Trichromacy



Original Color

47.7944, 0.2620, 0.3491

Protanomaly

46.6947, 0.2968, 0.3413

Deuteranomaly

46.4358, 0.2950, 0.3249

Tritanomaly

47.4571, 0.2539, 0.3204

Monochromacy



Original Color

47.7944, 0.2620, 0.3491

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.6664, 0.2909, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7944, 0.2620, 0.3491 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(112, 199, 185)` looks like.

```
.text, #text, p{  
    color:rgb(112, 199, 185)  
}
```

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(112, 199, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 199, 185) }
```

Border

The CSS property to change the border of an element to Yxy 47.7944, 0.2620, 0.3491 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(112, 199, 185) }
```

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

```
.border{ border-color:rgb(112, 199, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 199, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 199, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 199, 185);  
box-shadow:4px 4px 4px 4px rgb(112, 199,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7944, 0.2620, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 199, 185) }
```

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

```
.background{ background-color: rgb(112,  
199, 185) }
```

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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