

Converting Colors

$Y_{xy}(47.2261, 0.2712, 0.3641)$

Have a look what the booklet for
Yxy(47.2261, 0.2712, 0.3641)
contains.

Yxy(47.2261, 0.2712, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2261, 0.2712, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	75C6AE
RGB	117, 198, 174
RGB Percent	46%, 78%, 68%
CMY	0.5409, 0.2236, 0.3177
CMYK	0.41, 0.00, 0.12, 0.22
HSL	162°, 42%, 62%
HSV	162°, 41%, 78%
XYZ	35.1764, 47.2261, 47.3039
YIQ	171.0450, -40.5720, -24.6360

Conversions

Conversions Part 2

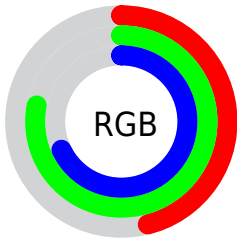
Format	Color
RYB	117, 165, 198
Decimal	7718574
CIELab	74.33, -30.39, 4.27
CIELCh	74, 30.687, 171.996
Yxy	47.2261, 0.2712, 0.3641
Android (android.graphics.Color)	4285908654 (0xFF75C6AE)
YUV	171.0450, 1.4568, -47.3975
Hunter-Lab	68.7212, -28.8933, 7.2929

Details

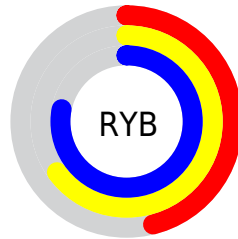
The Yxy color **47.2261, 0.2712, 0.3641** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.6683, 0.3843, 0.2973**, and the grayscale version is **40.7645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9478, 0.2788, 0.3580**, and **22.3758, 0.2589, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **45.7735, 0.2637, 0.3744**, and if you desaturate by 10%, it is **48.9826, 0.2801, 0.3544**.

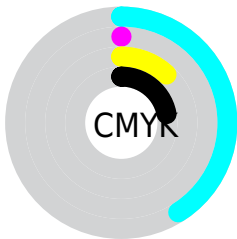
Distribution



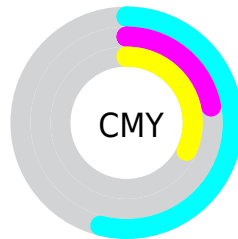
- Red (46%)
- Green (78%)
- Blue (68%)



- Red (46%)
- Yellow (65%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2261, 0.2712, 0.3641 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 47.2261, 0.2712, 0.3641 by changing the saturation by 10% instead.


 47.2261, 0.2712,
0.3641


 47.2261, 0.2712,
0.3641


375.7163, 0.2920,
0.3463


 33.2144, 0.2660,
0.3686


 86.0510, 0.2788,
0.3576

 22.2908, 0.2593,
0.3745


 111.6331, 0.2816,
0.3551

 14.0707, 0.2504,
0.3824


 141.8407, 0.2840,
0.3531

 8.1699, 0.2379,
0.3937

177.0583, 0.2861,
0.3513

 4.2038, 0.2194,
0.4108

217.6702, 0.2879,
0.3498

 1.7882, 0.1887,
0.4402

264.0610, 0.2894,

 0.4798, 0.0000,


0.3485


0.6820


316.6149, 0.2908,
0.3473

 0.0000, 0.0000,
0.0000


 47.2261, 0.2712,
0.3641


 47.2261, 0.2712,
0.3641

 45.7735, 0.2637,
0.3744


 48.9826, 0.2801,
0.3544


 44.6006, 0.2577,
0.3852


 51.0542, 0.2900,
0.3454


 43.6885, 0.2536,
0.3964


 53.4585, 0.3006,
0.3371

 43.0137, 0.2515,
0.4076

 56.2102, 0.3117,
0.3296

 42.5481, 0.2513,
0.4188


 59.3229, 0.3231,
0.3229

 42.2579, 0.2525,
0.4290

 62.8097, 0.3344,
0.3169

 66.5567, 0.3451,
0.3116

 66.8641, 0.3405,
0.3057

 67.1825, 0.3360,
0.2999

Harmonies

Analogous

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



47.2261, 0.3108, 0.3964



47.2261, 0.2712, 0.3641



47.2261, 0.2438, 0.3221

Triad

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



47.2261, 0.2712, 0.3641



47.2261, 0.2702, 0.2605



47.2261, 0.3981, 0.3634

Complementary

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



47.2261, 0.2712, 0.3641



26.6683, 0.3843, 0.2973

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.



47.2261, 0.3864, 0.3290



47.2261, 0.2712, 0.3641



47.2261, 0.3100, 0.2722

Square

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



47.2261, 0.2712, 0.3641



47.2261, 0.2434, 0.2647



47.2261, 0.3532, 0.2966



47.2261, 0.3852, 0.3922

Rectangle

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



47.2261, 0.2712, 0.3641



47.2261, 0.2352, 0.2966



47.2261, 0.3532, 0.2966



47.2261, 0.3970, 0.3521

Sweetspot

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



47.2280, 0.2712, 0.3641



94.0806, 0.2992, 0.3381



47.3645, 0.3250, 0.4469



20.0111, 0.2978, 0.3392



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.



47.2280, 0.2712, 0.3641



81.3291, 0.2644, 0.3732



41.2412, 0.2534, 0.3054



12.0119, 0.3023, 0.3359



27.4988, 0.2521, 0.4275



1.3143, 0.2457, 0.4043

Inverse Universe

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



26.6683, 0.3843, 0.2973



40.0323, 0.4085, 0.2909



30.1353, 0.4066, 0.3509



10.6878, 0.3244, 0.3222



8.0243, 0.5752, 0.2942



0.3929, 0.5143, 0.2607

Previews

White Background



This preview shows how the Yxy color 47.2261, 0.2712, 0.3641 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 47.2261, 0.2712, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

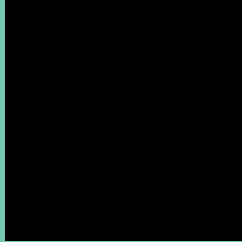
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

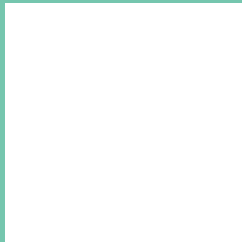
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2261, 0.2712, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 47.2261, 0.2712, 0.3641.

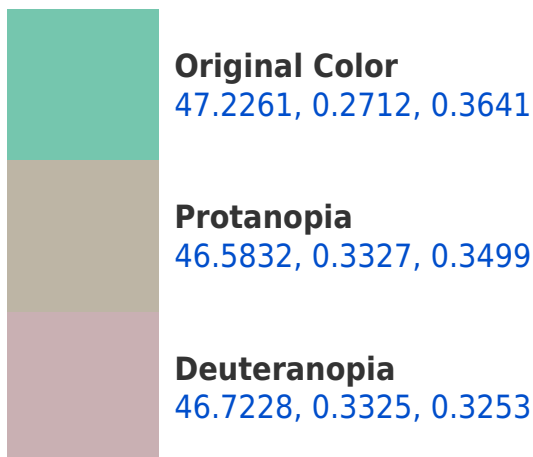


This preview shows how white text looks on a background with the Yxy color 47.2261, 0.2712, 0.3641.

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

47.1790, 0.2549, 0.3069

Trichromacy



Original Color

47.2261, 0.2712, 0.3641



Protanomaly

46.1543, 0.3074, 0.3552



Deuteranomaly

46.0014, 0.3064, 0.3384



Tritanomaly

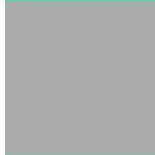
47.2267, 0.2610, 0.3274

Monochromacy



Original Color

47.2261, 0.2712, 0.3641



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.6056, 0.2947, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2261, 0.2712, 0.3641 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, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 174)  
}
```

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, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 174) }
```

Border

The CSS property to change the border of an element to Yxy 47.2261, 0.2712, 0.3641 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, 198, 174) }
```

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

```
.border{ border-color:rgb(117, 198, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 198, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(117, 198,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2261, 0.2712, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 174) }
```

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

```
.background{ background-color: rgb(117,  
198, 174) }
```

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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