

Converting Colors

$Y_{xy}(41.8116, 0.2502, 0.3264)$

Have a look what the booklet for
Yxy(41.8116, 0.2502, 0.3264)
contains.

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Color

Yxy(41.8241, 0.2504, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	63BBBC
RGB	99, 187, 188
RGB Percent	39%, 73%, 74%
CMY	0.6115, 0.2667, 0.2627
CMYK	0.47, 0.01, 0.00, 0.26
HSL	181°, 40%, 56%
HSV	181°, 47%, 74%
XYZ	31.9974, 41.8241, 53.9637
YIQ	160.8020, -52.7690, -18.3450

Conversions

Conversions Part 2

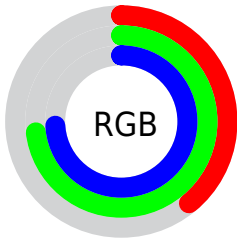
Format	Color
RYB	99, 143, 188
Decimal	6536124
CIELab	70.75, -26.09, -8.71
CIElCh	71, 27.508, 198.451
Yxy	41.8241, 0.2504, 0.3273
Android (android.graphics.Color)	4284726204 (0xFF63BBBC)
YUV	160.8020, 13.4086, -54.2004
Hunter-Lab	64.6716, -24.8591, -4.2031

Details

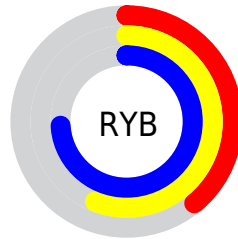
The Yxy color **41.8241, 0.2504, 0.3273** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.7202, 0.4399, 0.3308**, and the grayscale version is **35.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7008, 0.2619, 0.3277**, and **18.9364, 0.2324, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **40.7964, 0.2415, 0.3269**, and if you desaturate by 10%, it is **43.1017, 0.2611, 0.3277**.

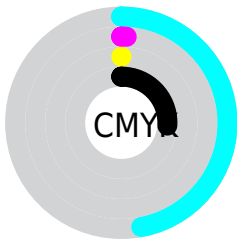
Distribution



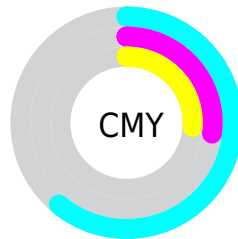
- Red (39%)
- Green (73%)
- Blue (74%)



- Red (39%)
- Yellow (56%)
- Blue (74%)



- Cyan (47%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)





- Cyan (61%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8241, 0.2504, 0.3273 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 41.8241, 0.2504, 0.3273 by changing the saturation by 10% instead.


 41.8241, 0.2504,
0.3273


 41.8241, 0.2504,
0.3273


353.7532, 0.2815,
0.3288

 28.9636, 0.2427,
0.3267


 77.9333, 0.2617,
0.3280


 19.0533, 0.2328,
0.3258


 101.9508, 0.2659,
0.3282

 11.7088, 0.2197,
0.3243


 130.4561, 0.2695,
0.3284

 6.5457, 0.2017,
0.3217

 163.8336, 0.2726,
0.3285

 3.1797, 0.1755,
0.3169

202.4677, 0.2753,
0.3286

 1.2262, 0.1247,
0.3094

246.7427, 0.2776,

 0.0830, 0.0000,

0.3287

0.1061

297.0431, 0.2797,
0.3288

0.0000, 0.0000,
0.0000

41.8241, 0.2504,
0.3273

41.8241, 0.2504,
0.3273

40.7964, 0.2415,
0.3269

43.1017, 0.2611,
0.3277

39.9963, 0.2344,
0.3265

44.6401, 0.2734,
0.3281

39.4060, 0.2292,
0.3261

46.4551, 0.2869,
0.3284

39.0024, 0.2259,
0.3258


48.5602, 0.3016,
0.3288


38.7530, 0.2241,
0.3254

50.9678, 0.3169,
0.3291

 38.6963, 0.2237,
0.3253

 53.6897, 0.3327,
0.3294

 56.7369, 0.3487,
0.3296

 60.1201, 0.3646,
0.3299

 61.2473, 0.3692,
0.3301

Harmonies

Analogous

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



41.8241, 0.2779, 0.3660



41.8241, 0.2504, 0.3273



41.8241, 0.2391, 0.2923

Triad

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



41.8241, 0.2504, 0.3273



41.8241, 0.3055, 0.2737



41.8241, 0.3830, 0.3857

Complementary

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



41.8241, 0.2504, 0.3273



20.7202, 0.4399, 0.3308

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.



41.8241, 0.3923, 0.3578



41.8241, 0.2504, 0.3273



41.8241, 0.3460, 0.2954

Square

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



41.8241, 0.2504, 0.3273



41.8241, 0.2693, 0.2644



41.8241, 0.3786, 0.3254



41.8241, 0.3545, 0.4003

Rectangle

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



41.8241, 0.2504, 0.3273



41.8241, 0.2416, 0.2759



41.8241, 0.3786, 0.3254



41.8241, 0.3886, 0.3774

Sweetspot

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



41.8257, 0.2504, 0.3273



85.3094, 0.2914, 0.3285



39.5251, 0.3058, 0.4761



18.1756, 0.2883, 0.3285



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.8257, 0.2504, 0.3273



73.8336, 0.2410, 0.3269



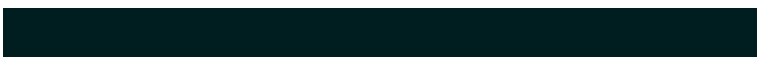
26.0912, 0.2376, 0.2569



10.7905, 0.2985, 0.3287



26.3538, 0.2237, 0.3254



1.0383, 0.2240, 0.3262

Inverse Universe

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



23.2139, 0.3192, 0.2168



36.0180, 0.3205, 0.1961



31.3980, 0.4090, 0.3903



9.6944, 0.3139, 0.3066



9.6901, 0.3237, 0.1557



0.3802, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 41.8241, 0.2504, 0.3273 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 41.8241, 0.2504, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

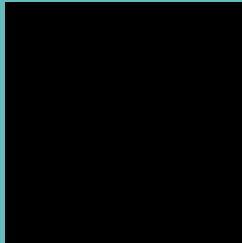
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

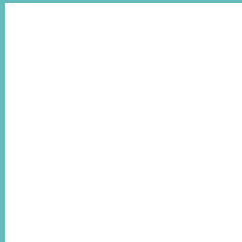
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8241, 0.2504, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 41.8241, 0.2504, 0.3273.

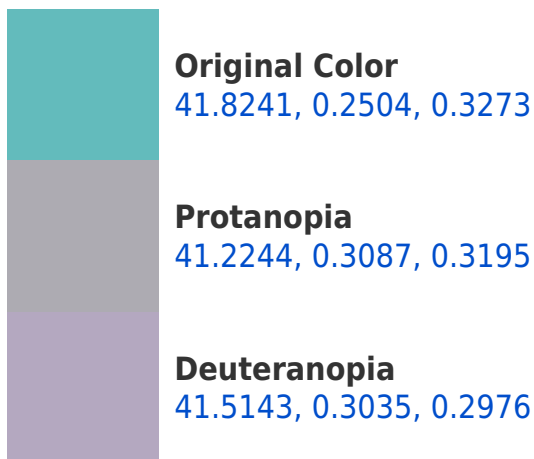


This preview shows how white text looks on a background with the Yxy color 41.8241, 0.2504, 0.3273.

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

41.7516, 0.2452, 0.3069

Trichromacy



Original Color

41.8241, 0.2504, 0.3273

Protanomaly

40.9327, 0.2831, 0.3218

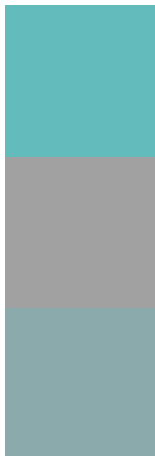
Deuteranomaly

41.0008, 0.2804, 0.3066

Tritanomaly

41.9281, 0.2472, 0.3140

Monochromacy



Original Color

41.8241, 0.2504, 0.3273

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0930, 0.2843, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8241, 0.2504, 0.3273 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(99, 187, 188)` looks like.

```
.text, #text, p{  
    color:rgb(99, 187, 188)  
}
```

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(99, 187, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 187, 188) }
```

Border

The CSS property to change the border of an element to Yxy 41.8241, 0.2504, 0.3273 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(99, 187, 188) }
```

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

```
.border{ border-color:rgb(99, 187, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 187, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 187, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 187, 188);  
box-shadow:4px 4px 4px 4px rgb(99, 187,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8241, 0.2504, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 187, 188) }
```

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

```
.background{ background-color: rgb(99, 187,  
188) }
```

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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