

Converting Colors

$Yxy(48.5786, 0.2625, 0.3398)$

Have a look what the booklet for
Yxy(48.5786, 0.2625, 0.3398)
contains.

Yxy(48.5304, 0.2624, 0.3402)	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(48.5304, 0.2624, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	77C7BF
RGB	119, 199, 191
RGB Percent	47%, 78%, 75%
CMY	0.5335, 0.2196, 0.2509
CMYK	0.40, 0.00, 0.04, 0.22
HSL	174°, 42%, 62%
HSV	174°, 40%, 78%
XYZ	37.4320, 48.5304, 56.6901
YIQ	174.1680, -45.1120, -19.4480

Conversions

Conversions Part 2

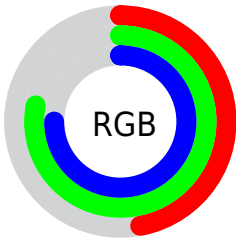
Format	Color
RYB	119, 161, 199
Decimal	7849919
CIELab	75.16, -26.43, -3.73
CIELCh	75, 26.687, 188.028
Yxy	48.5304, 0.2624, 0.3402
Android (android.graphics.Color)	4286039999 (0xFF77C7BF)
YUV	174.1680, 8.2982, -48.3823
Hunter-Lab	69.6638, -25.9992, 0.5163

Details

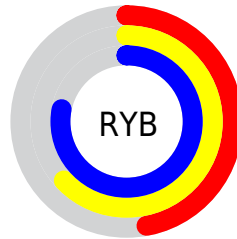
The Yxy color **48.5304, 0.2624, 0.3402** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8598, 0.4031, 0.3186**, and the grayscale version is **42.3893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3494, 0.2714, 0.3376**, and **23.1758, 0.2488, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **47.1822, 0.2531, 0.3434**, and if you desaturate by 10%, it is **50.1784, 0.2733, 0.3371**.

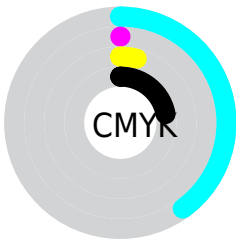
Distribution



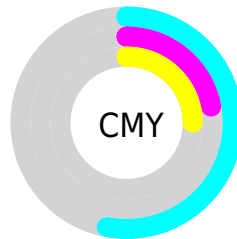
- Red (47%)
- Green (78%)
- Blue (75%)



- Red (47%)
- Yellow (63%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5304, 0.2624, 0.3402 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 48.5304, 0.2624, 0.3402 by changing the saturation by 10% instead.


 48.5304, 0.2624,
0.3402

 48.5304, 0.2624,
0.3402


380.8907, 0.2871,
0.3350

 34.2471, 0.2564,
0.3414


 87.9936, 0.2713,
0.3384

 23.0835, 0.2487,
0.3429

 113.9423, 0.2746,
0.3377

 14.6552, 0.2387,
0.3447


 144.5482, 0.2775,
0.3371

 8.5777, 0.2250,
0.3471

180.1958, 0.2800,
0.3365

 4.4668, 0.2052,
0.3502

221.2695, 0.2821,
0.3361

 1.9380, 0.1744,
0.3541

268.1536, 0.2840,

 0.5710, 0.0000,

0.3356

0.3929

321.2325, 0.2856,
0.3353

0.0000, 0.0000,
0.0000

48.5304, 0.2624,
0.3402

48.5304, 0.2624,
0.3402

47.1822, 0.2531,
0.3434

50.1784, 0.2733,
0.3371

46.1094, 0.2455,
0.3468

52.1374, 0.2854,
0.3342

45.2934, 0.2397,
0.3502


54.4250, 0.2986,
0.3315


44.7105, 0.2359,
0.3536


57.0558, 0.3124,
0.3291


44.3330, 0.2340,
0.3571


60.0435, 0.3267,
0.3268

 44.1106, 0.2334,
0.3604

 63.4010, 0.3411,
0.3248

 66.5152, 0.3529,
0.3230

 66.6118, 0.3514,
0.3210

 66.7097, 0.3498,
0.3190

Harmonies

Analogous

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



48.5304, 0.2922, 0.3737



48.5304, 0.2624, 0.3402



48.5304, 0.2462, 0.3055

Triad

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



48.5304, 0.2624, 0.3402



48.5304, 0.2935, 0.2731



48.5304, 0.3830, 0.3737

Complementary

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



48.5304, 0.2624, 0.3402



26.8598, 0.4031, 0.3186

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.



48.5304, 0.3841, 0.3457



48.5304, 0.2624, 0.3402



48.5304, 0.3308, 0.2897

Square

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



48.5304, 0.2624, 0.3402



48.5304, 0.2633, 0.2693



48.5304, 0.3646, 0.3156



48.5304, 0.3622, 0.3921

Rectangle

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



48.5304, 0.2624, 0.3402



48.5304, 0.2446, 0.2872



48.5304, 0.3646, 0.3156



48.5304, 0.3857, 0.3650

Sweetspot

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



48.5323, 0.2624, 0.3402



94.4559, 0.2959, 0.3320



46.6915, 0.3127, 0.4492



20.0999, 0.2942, 0.3324



0.0000, 0.0000, 0.0000



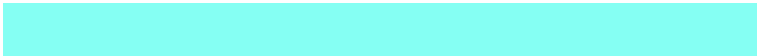
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5323, 0.2624, 0.3402



82.9312, 0.2544, 0.3429



35.6774, 0.2505, 0.2817



12.0486, 0.2997, 0.3313



28.3687, 0.2333, 0.3599



1.3487, 0.2313, 0.3528

Inverse Universe

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



26.8598, 0.4031, 0.3186



39.9648, 0.4332, 0.3167



35.6018, 0.3958, 0.3714



10.6539, 0.3274, 0.3267



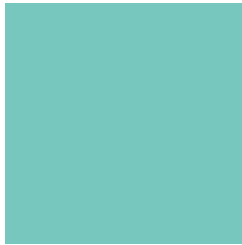
7.8460, 0.6272, 0.3229



0.3775, 0.5890, 0.3019

Previews

White Background



This preview shows how the Yxy color 48.5304, 0.2624, 0.3402 looks on a white background.

Color Contrast Check

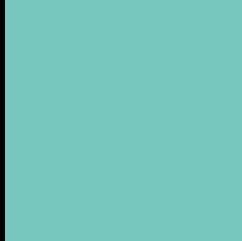
Large Text (above 18pt) WCAG AA × Fail

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 48.5304, 0.2624, 0.3402 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

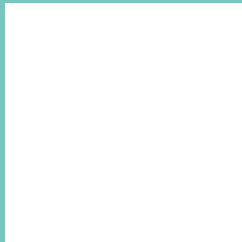
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5304, 0.2624, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 48.5304, 0.2624, 0.3402.

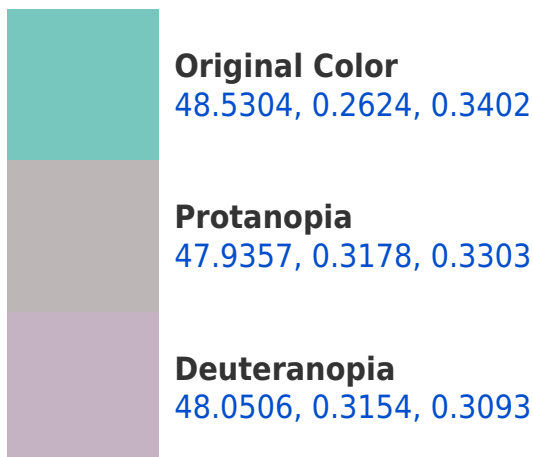


This preview shows how white text looks on a background with the Yxy color 48.5304, 0.2624, 0.3402.

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

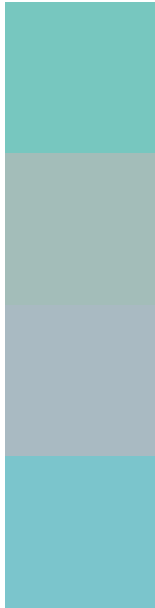




Tritanopia

48.5933, 0.2533, 0.3071

Trichromacy



Original Color

48.5304, 0.2624, 0.3402

Protanomaly

47.6845, 0.2949, 0.3343

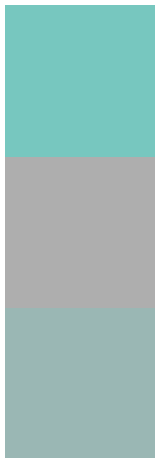
Deuteranomaly

47.4479, 0.2930, 0.3184

Tritanomaly

48.5031, 0.2569, 0.3192

Monochromacy



Original Color

48.5304, 0.2624, 0.3402

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0323, 0.2913, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5304, 0.2624, 0.3402 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(119, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(119, 199, 191)  
}
```

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(119, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 199, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.5304, 0.2624, 0.3402 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(119, 199, 191) }
```

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

```
.border{ border-color:rgb(119, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 199,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5304, 0.2624, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 199, 191) }
```

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

```
.background{ background-color: rgb(119,  
199, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor