

Converting Colors

$Yxy(42.4214, 0.2487, 0.3481)$

Have a look what the booklet for
Yxy(42.4214, 0.2487, 0.3481)
contains.

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Color

Yxy(42.3101, 0.2484, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	52BFB3
RGB	82, 191, 179
RGB Percent	32%, 75%, 70%
CMY	0.6781, 0.2510, 0.2980
CMYK	0.57, 0.00, 0.06, 0.25
HSL	173°, 46%, 54%
HSV	173°, 57%, 75%
XYZ	30.2528, 42.3101, 49.2278
YIQ	157.0410, -61.1120, -26.8400

Conversions

Conversions Part 2

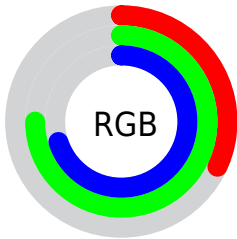
Format	Color
RYB	82, 140, 191
Decimal	5423027
CIELab	71.08, -33.98, -3.36
CIELCh	71, 34.142, 185.642
Yxy	42.3101, 0.2484, 0.3474
Android (android.graphics.Color)	4283613107 (0xFF52BFB3)
YUV	157.0410, 10.8258, -65.8110
Hunter-Lab	65.0462, -30.8110, 0.6609

Details

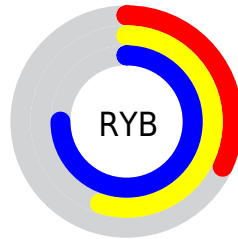
The Yxy color **42.3101, 0.2484, 0.3474** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.9305, 0.4644, 0.3139**, and the grayscale version is **33.7167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7957, 0.2600, 0.3441**, and **19.3977, 0.2314, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **41.4861, 0.2421, 0.3512**, and if you desaturate by 10%, it is **43.3770, 0.2565, 0.3437**.

Distribution



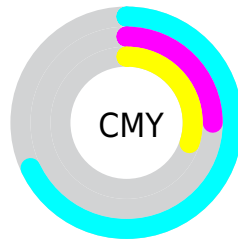
- Red (32%)
- Green (75%)
- Blue (70%)



- Red (32%)
- Yellow (55%)
- Blue (75%)



- Cyan (57%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (68%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3101, 0.2484, 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 42.3101, 0.2484, 0.3474 by changing the saturation by 10% instead.


 42.3101, 0.2484,
0.3474

 42.3101, 0.2484,
0.3474

355.7668, 0.2807,
0.3385


 29.3442, 0.2404,
0.3495


 78.6687, 0.2601,
0.3442


 19.3413, 0.2300,
0.3522


 102.8302, 0.2645,
0.3430

 11.9172, 0.2164,
0.3555


 131.4924, 0.2682,
0.3420

 6.6873, 0.1975,
0.3600

 165.0396, 0.2714,
0.3411

 3.2673, 0.1698,
0.3658

203.8563, 0.2742,
0.3403

 1.2728, 0.1016,
0.3838

248.3267, 0.2766,

 0.1200, 0.0000,

0.3396

0.2473

298.8355, 0.2788,
0.3390

■ 0.0000, 0.0000,
0.0000

■ 42.3101, 0.2484,
0.3474

■ 42.3101, 0.2484,
0.3474

■ 41.4861, 0.2421,
0.3512

■ 43.3770, 0.2565,
0.3437

■ 40.8799, 0.2378,
0.3549

■ 44.6998, 0.2663,
0.3402

■ 40.4692, 0.2353,
0.3587

■ 46.2965, 0.2775,
0.3369

■ 40.2215, 0.2344,
0.3625

■ 48.1821, 0.2898,
0.3338

■ 40.1612, 0.2343,
0.3636

■ 50.3703, 0.3030,
0.3309

■ 52.8741, 0.3169,
0.3282

■ 55.7056, 0.3310,
0.3259

■ 58.8766, 0.3453,
0.3238

■ 62.3978, 0.3595,
0.3219

Harmonies

Analogous

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



42.3101, 0.2883, 0.3932



42.3101, 0.2484, 0.3474



42.3101, 0.2263, 0.2997

Triad

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



42.3101, 0.2484, 0.3474



42.3101, 0.2831, 0.2551



42.3101, 0.4076, 0.3840

Complementary

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



42.3101, 0.2484, 0.3474



17.9305, 0.4644, 0.3139

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.



42.3101, 0.4076, 0.3463



42.3101, 0.2484, 0.3474



42.3101, 0.3323, 0.2754

Square

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



42.3101, 0.2484, 0.3474



42.3101, 0.2450, 0.2510



42.3101, 0.3793, 0.3077



42.3101, 0.3808, 0.4116

Rectangle

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



42.3101, 0.2484, 0.3474



42.3101, 0.2232, 0.2750



42.3101, 0.3793, 0.3077



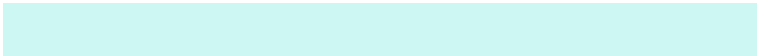
42.3101, 0.4109, 0.3720

Sweetspot

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



42.3117, 0.2484, 0.3474



86.2122, 0.2895, 0.3338



40.2908, 0.3122, 0.5061



18.7718, 0.2869, 0.3344



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.3117, 0.2484, 0.3474



74.0535, 0.2411, 0.3519



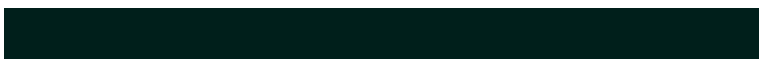
27.1300, 0.2275, 0.2607



10.7910, 0.2999, 0.3315



26.4024, 0.2342, 0.3631



1.0394, 0.2317, 0.3541

Inverse Universe

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



17.9305, 0.4644, 0.3139



26.3270, 0.5172, 0.3132



26.0579, 0.4461, 0.3850



9.5530, 0.3271, 0.3265



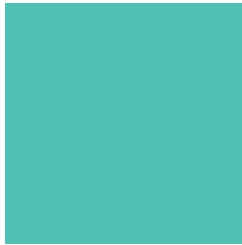
7.3209, 0.6251, 0.3217



0.2925, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 42.3101, 0.2484, 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 42.3101, 0.2484, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

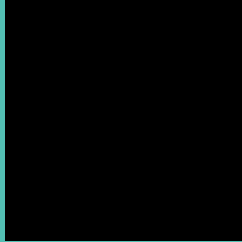
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

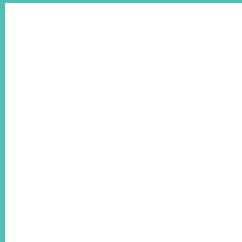
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3101, 0.2484, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 42.3101, 0.2484, 0.3474.

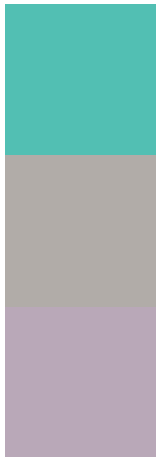


This preview shows how white text looks on a background with the Yxy color 42.3101, 0.2484, 0.3474.

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



Original Color

42.3101, 0.2484, 0.3474

Protanopia

41.6793, 0.3206, 0.3345

Deuteranopia

41.7802, 0.3146, 0.3081



Tritanopia

42.0766, 0.2384, 0.3053

Trichromacy



Original Color

42.3101, 0.2484, 0.3474



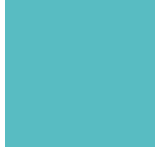
Protanomaly

40.9695, 0.2874, 0.3392



Deuteranomaly

40.7240, 0.2846, 0.3204



Tritanomaly

41.9362, 0.2421, 0.3198

Monochromacy



Original Color

42.3101, 0.2484, 0.3474



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.8384, 0.2822, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3101, 0.2484, 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(82, 191, 179)` looks like.

```
.text, #text, p{  
    color:rgb(82, 191, 179)  
}
```

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(82, 191, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 191, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.3101, 0.2484, 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(82, 191, 179) }
```

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

```
.border{ border-color:rgb(82, 191, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 191, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 191, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 191, 179);  
box-shadow:4px 4px 4px 4px rgb(82, 191,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3101, 0.2484, 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(82, 191, 179) }
```

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

```
.background{ background-color: rgb(82, 191,  
179) }
```

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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