

Converting Colors

$Yxy(47.4943, 0.2561, 0.3403)$

Have a look what the booklet for
Yxy(47.4943, 0.2561, 0.3403)
contains.

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Color

Yxy(47.7342, 0.2559, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	6BC7BF
RGB	107, 199, 191
RGB Percent	42%, 78%, 75%
CMY	0.5806, 0.2196, 0.2510
CMYK	0.46, 0.00, 0.04, 0.22
HSL	175°, 45%, 60%
HSV	175°, 46%, 78%
XYZ	35.8848, 47.7342, 56.6107
YIQ	170.5800, -52.2640, -21.9920

Conversions

Conversions Part 2

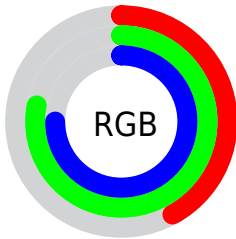
Format	Color
RYB	107, 155, 199
Decimal	7063487
CIELab	74.66, -29.39, -4.52
CIElCh	75, 29.731, 188.737
Yxy	47.7342, 0.2559, 0.3404
Android (android.graphics.Color)	4285253567 (0xFF6BC7BF)
YUV	170.5800, 10.0671, -55.7597
Hunter-Lab	69.0899, -28.1959, -0.2179

Details

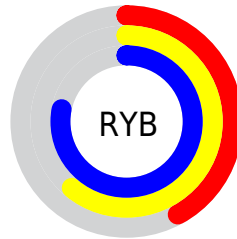
The Yxy color **47.7342, 0.2559, 0.3404** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8833, 0.4258, 0.3188**, and the grayscale version is **40.4651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1279, 0.2661, 0.3377**, and **22.7142, 0.2405, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **46.5663, 0.2475, 0.3433**, and if you desaturate by 10%, it is **49.1906, 0.2660, 0.3376**.

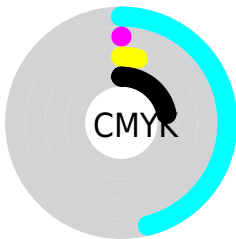
Distribution



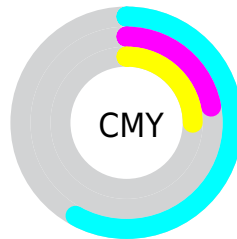
- Red (42%)
- Green (78%)
- Blue (75%)



- Red (42%)
- Yellow (61%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7342, 0.2559, 0.3404 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 47.7342, 0.2559, 0.3404 by changing the saturation by 10% instead.


 47.7342, 0.2559,
0.3404


 47.7342, 0.2559,
0.3404


377.7376, 0.2838,
0.3351

 33.6164, 0.2491,
0.3416


 86.8085, 0.2659,
0.3386


 22.5991, 0.2405,
0.3430


 112.5339, 0.2697,
0.3379

 14.2978, 0.2291,
0.3447


 142.8972, 0.2730,
0.3373

 8.3281, 0.2137,
0.3469

 178.2830, 0.2757,
0.3367

 4.3056, 0.1915,
0.3495

219.0755, 0.2782,
0.3363

 1.8459, 0.1574,
0.3522

265.6591, 0.2803,

 0.5156, 0.0000,

0.3359

0.3702

318.4184, 0.2822,
0.3355

0.0000, 0.0000,
0.0000

47.7342, 0.2559,
0.3404

47.7342, 0.2559,
0.3404

46.5663, 0.2475,
0.3433

49.1906, 0.2660,
0.3376

45.6614, 0.2409,
0.3462

50.9476, 0.2775,
0.3350

44.9992, 0.2363,
0.3492


53.0236, 0.2902,
0.3326


44.5537, 0.2335,
0.3521


55.4338, 0.3039,
0.3303


44.2918, 0.2324,
0.3550

58.1924, 0.3181,
0.3283

 44.2171, 0.2323,
0.3561

 61.3129, 0.3327,
0.3264

 64.8079, 0.3473,
0.3248

 66.5133, 0.3530,
0.3231

 66.5974, 0.3516,
0.3213

Harmonies

Analogous

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



47.7342, 0.2886, 0.3786



47.7342, 0.2559, 0.3404



47.7342, 0.2385, 0.3015

Triad

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



47.7342, 0.2559, 0.3404



47.7342, 0.2921, 0.2673



47.7342, 0.3910, 0.3791

Complementary

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



47.7342, 0.2559, 0.3404



23.8833, 0.4258, 0.3188

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.



47.7342, 0.3931, 0.3479



47.7342, 0.2559, 0.3404



47.7342, 0.3338, 0.2859

Square

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



47.7342, 0.2559, 0.3404



47.7342, 0.2583, 0.2625



47.7342, 0.3717, 0.3146



47.7342, 0.3670, 0.3999

Rectangle

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



47.7342, 0.2559, 0.3404



47.7342, 0.2370, 0.2814



47.7342, 0.3717, 0.3146



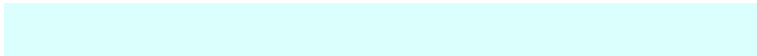
47.7342, 0.3944, 0.3694

Sweetspot

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



47.7361, 0.2559, 0.3404



93.6481, 0.2930, 0.3321



45.6358, 0.3122, 0.4703



19.8581, 0.2901, 0.3326



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.



47.7361, 0.2559, 0.3404



81.4230, 0.2471, 0.3434



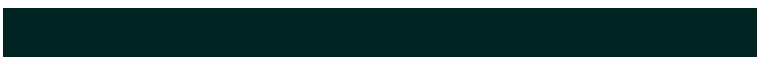
33.1514, 0.2416, 0.2732



12.0510, 0.2995, 0.3310



28.4352, 0.2322, 0.3557



1.3512, 0.2305, 0.3496

Inverse Universe

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



23.8833, 0.4258, 0.3188



34.3637, 0.4683, 0.3172



33.0806, 0.4126, 0.3776



10.6517, 0.3276, 0.3270



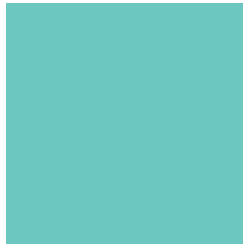
7.8399, 0.6292, 0.3240



0.3765, 0.5950, 0.3051

Previews

White Background



This preview shows how the Yxy color 47.7342, 0.2559, 0.3404 looks on a white background.

Color Contrast Check

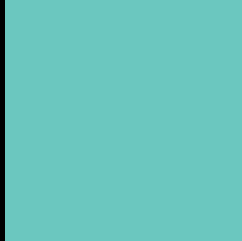
Large Text (above 18pt) WCAG AA × Fail

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 47.7342, 0.2559, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

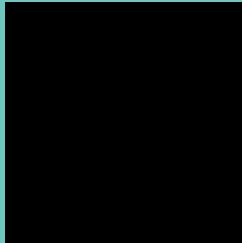
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

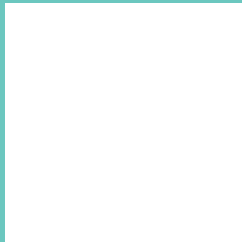
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7342, 0.2559, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 47.7342, 0.2559, 0.3404.

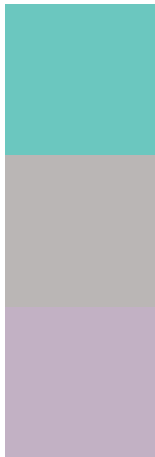


This preview shows how white text looks on a background with the Yxy color 47.7342, 0.2559, 0.3404.

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

47.7342, 0.2559, 0.3404

Protanopia

47.2312, 0.3169, 0.3303

Deuteranopia

46.8991, 0.3121, 0.3054



Tritanopia

47.7440, 0.2469, 0.3067

Trichromacy



Original Color

47.7342, 0.2559, 0.3404

Protanomaly

46.6373, 0.2902, 0.3330

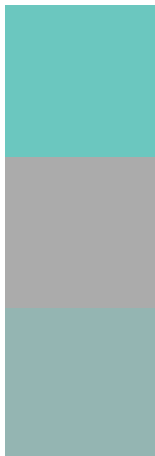
Deuteranomaly

46.2743, 0.2875, 0.3169

Tritanomaly

47.6716, 0.2504, 0.3190

Monochromacy



Original Color

47.7342, 0.2559, 0.3404

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5580, 0.2879, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7342, 0.2559, 0.3404 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(107, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 191) }
```

Border

The CSS property to change the border of an element to Yxy 47.7342, 0.2559, 0.3404 is called "border". The border property can be set on classes, ids or directly on the HTML element.

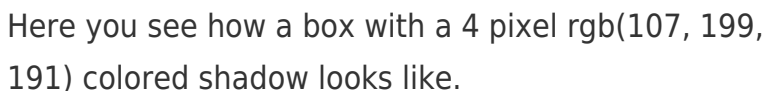
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 199, 191) }
```

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

```
.border{ border-color:rgb(107, 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(107, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7342, 0.2559, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 191) }
```

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

```
.background{ background-color: rgb(107,  
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](#).

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