

Converting Colors

$Y_{xy}(37.7472, 0.2524, 0.3492)$

Have a look what the booklet for
Yxy(37.7472, 0.2524, 0.3492)
contains.

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Color

Yxy(37.7597, 0.2525, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	54B5A8
RGB	84, 181, 168
RGB Percent	33%, 71%, 66%
CMY	0.6706, 0.2902, 0.3411
CMYK	0.54, 0.00, 0.07, 0.29
HSL	172°, 40%, 52%
HSV	172°, 54%, 71%
XYZ	27.2487, 37.7597, 42.9073
YIQ	150.5150, -53.6390, -24.6070

Conversions

Conversions Part 2

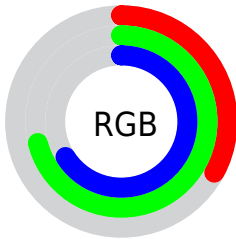
Format	Color
RYB	84, 136, 181
Decimal	5551528
CIELab	67.84, -31.70, -2.07
CIELCh	68, 31.770, 183.739
Yxy	37.7597, 0.2525, 0.3499
Android (android.graphics.Color)	4283741608 (0xFF54B5A8)
YUV	150.5150, 8.6201, -58.3337
Hunter-Lab	61.4489, -28.3821, 1.6145

Details

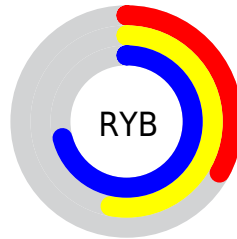
The Yxy color **37.7597, 0.2525, 0.3499** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.0265, 0.4456, 0.3112**, and the grayscale version is **30.7098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5588, 0.2638, 0.3459**, and **16.7775, 0.2346, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **36.9417, 0.2457, 0.3545**, and if you desaturate by 10%, it is **38.7981, 0.2610, 0.3455**.

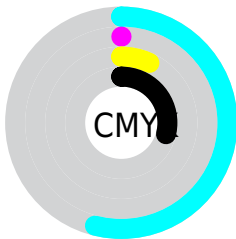
Distribution



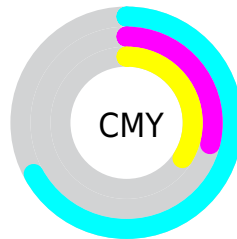
- Red (33%)
- Green (71%)
- Blue (66%)



- Red (33%)
- Yellow (53%)
- Blue (71%)



- Cyan (54%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)




- Cyan (67%)
- Magenta (29%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7597, 0.2525, 0.3499 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 37.7597, 0.2525, 0.3499 by changing the saturation by 10% instead.


 37.7597, 0.2525,
0.3499


 37.7597, 0.2525,
0.3499

336.5880, 0.2833,
0.3394

 25.7962, 0.2446,
0.3525


 71.7397, 0.2639,
0.3461


 16.6713, 0.2343,
0.3559


 94.5250, 0.2681,
0.3446

 10.0004, 0.2204,
0.3603

 121.6863, 0.2716,
0.3434

 5.3992, 0.2008,
0.3665

 153.6082, 0.2747,
0.3424

 2.4833, 0.1710,
0.3753

190.6749, 0.2773,
0.3415

 0.8683, 0.0255,
0.4308

233.2708, 0.2796,

 0.0000, 0.0000,

0.3407

0.0000

281.7804, 0.2816,
0.3400

■ 37.7597, 0.2525,
0.3499

■ 37.7597, 0.2525,
0.3499

■ 36.9417, 0.2457,
0.3545

■ 38.7981, 0.2610,
0.3455

■ 36.3227, 0.2408,
0.3591

■ 40.0676, 0.2711,
0.3412

■ 35.8847, 0.2379,
0.3638

■ 41.5836, 0.2824,
0.3373

■ 35.6040, 0.2367,
0.3684

■ 43.3588, 0.2948,
0.3335

■ 35.4755, 0.2365,
0.3714

■ 45.4051, 0.3079,
0.3301

■ 47.7335, 0.3215,
0.3271

■ 50.3545, 0.3353,
0.3243

■ 53.2782, 0.3491,
0.3218

■ 56.5139, 0.3627,
0.3197

Harmonies

Analogous

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



37.7597, 0.2920, 0.3931



37.7597, 0.2525, 0.3499



37.7597, 0.2297, 0.3035

Triad

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



37.7597, 0.2525, 0.3499



37.7597, 0.2813, 0.2565



37.7597, 0.4053, 0.3803

Complementary

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



37.7597, 0.2525, 0.3499



17.0265, 0.4456, 0.3112

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.



37.7597, 0.4034, 0.3435



37.7597, 0.2525, 0.3499



37.7597, 0.3286, 0.2753

Square

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



37.7597, 0.2525, 0.3499



37.7597, 0.2454, 0.2538



37.7597, 0.3745, 0.3062



37.7597, 0.3810, 0.4078

Rectangle

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



37.7597, 0.2525, 0.3499



37.7597, 0.2258, 0.2789



37.7597, 0.3745, 0.3062



37.7597, 0.4079, 0.3686

Sweetspot

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



37.7612, 0.2525, 0.3499



76.7562, 0.2914, 0.3345



36.3158, 0.3150, 0.4927



16.4483, 0.2889, 0.3352



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.7612, 0.2525, 0.3499



65.9748, 0.2449, 0.3552



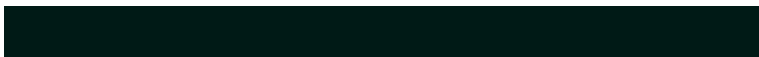
26.1037, 0.2334, 0.2716



9.6116, 0.3003, 0.3321



24.4628, 0.2363, 0.3708



0.7751, 0.2328, 0.3579

Inverse Universe

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



17.0265, 0.4456, 0.3112



25.0165, 0.4930, 0.3094



23.4085, 0.4375, 0.3775



8.5232, 0.3267, 0.3260



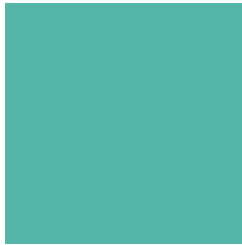
6.8245, 0.6201, 0.3190



0.2206, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 37.7597, 0.2525, 0.3499 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 37.7597, 0.2525, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

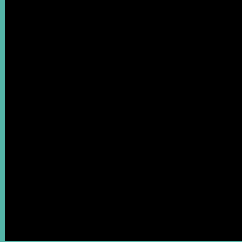
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

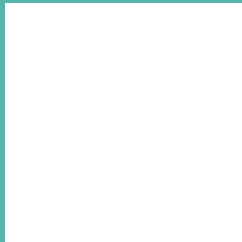
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7597, 0.2525, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 37.7597, 0.2525, 0.3499.

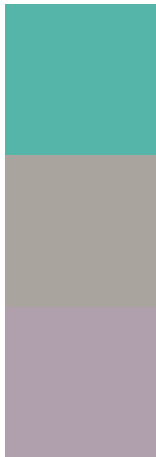


This preview shows how white text looks on a background with the Yxy color 37.7597, 0.2525, 0.3499.

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

37.7597, 0.2525, 0.3499

Protanopia

37.4546, 0.3227, 0.3376

Deuteranopia

37.0435, 0.3165, 0.3098



Tritanopia

37.5254, 0.2416, 0.3058

Trichromacy



Original Color

37.7597, 0.2525, 0.3499

Protanomaly

36.7614, 0.2912, 0.3411

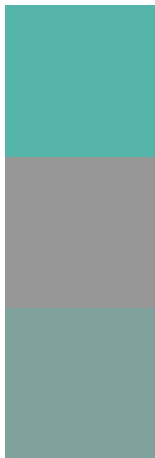
Deuteranomaly

36.4173, 0.2882, 0.3230

Tritanomaly

37.3835, 0.2454, 0.3209

Monochromacy



Original Color

37.7597, 0.2525, 0.3499

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.7870, 0.2853, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7597, 0.2525, 0.3499 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(84, 181, 168)` looks like.

```
.text, #text, p{  
    color:rgb(84, 181, 168)  
}
```

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(84, 181, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 181, 168) }
```

Border

The CSS property to change the border of an element to Yxy 37.7597, 0.2525, 0.3499 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(84, 181, 168) }
```

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

```
.border{ border-color:rgb(84, 181, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 181, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 181, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 181, 168); box-shadow:4px 4px 4px 4px rgb(84, 181, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7597, 0.2525, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 181, 168) }
```

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

```
.background{ background-color: rgb(84, 181,  
168) }
```

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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