

Converting Colors

$Y_{xy}(54.9600, 0.2615, 0.3494)$

Have a look what the booklet for
Yxy(54.9600, 0.2615, 0.3494)
contains.

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Color

$\text{Yxy}(55.0401, 0.2617, 0.3494)$

Conversions

Conversions Part 1

Format	Color
Hex	77D4C5
RGB	119, 212, 197
RGB Percent	47%, 83%, 77%
CMY	0.5334, 0.1686, 0.2275
CMYK	0.44, 0.00, 0.07, 0.17
HSL	170°, 52%, 65%
HSV	170°, 44%, 83%
XYZ	41.2249, 55.0401, 61.2624
YIQ	182.4830, -50.6130, -24.3810

Conversions

Conversions Part 2

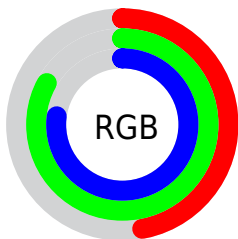
Format	Color
RYB	119, 170, 212
Decimal	7853253
CIELab	79.06, -31.28, -1.21
CIELCh	79, 31.303, 182.209
Yxy	55.0401, 0.2617, 0.3494
Android (android.graphics.Color)	4286043333 (0xFF77D4C5)
YUV	182.4830, 7.1569, -55.6746
Hunter-Lab	74.1890, -30.6429, 2.9729

Details

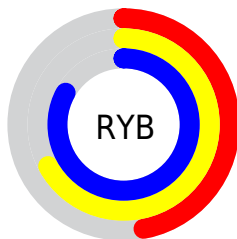
The Yxy color **55.0401, 0.2617, 0.3494** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.9084, 0.4088, 0.3105**, and the grayscale version is **47.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9059, 0.2686, 0.3299**, and **27.1212, 0.2489, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **53.5510, 0.2535, 0.3549**, and if you desaturate by 10%, it is **56.8717, 0.2715, 0.3442**.

Distribution



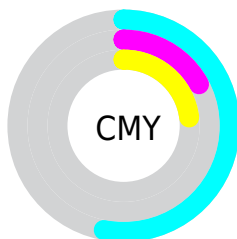
- Red (47%)
- Green (83%)
- Blue (77%)



- Red (47%)
- Yellow (67%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)





- Cyan (53%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0401, 0.2617, 0.3494 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 55.0401, 0.2617, 0.3494 by changing the saturation by 10% instead.

 55.0401, 0.2617,
0.3494


 55.0401, 0.2617,
0.3494


406.0639, 0.2863,
0.3396


 39.4338, 0.2558,
0.3517

 97.5997, 0.2704,
0.3460

 27.0974, 0.2484,
0.3546


 125.3218, 0.2738,
0.3446

 17.6464, 0.2388,
0.3583


 157.8514, 0.2766,
0.3435

 10.6964, 0.2260,
0.3633

195.5727, 0.2791,
0.3425

 5.8631, 0.2078,
0.3701

238.8702, 0.2813,
0.3417

 2.7620, 0.1803,
0.3803

288.1283, 0.2831,

 1.0088, 0.0795,

0.3409

0.4217

343.7314, 0.2848,
0.3402

0.0000, 0.0000,
0.0000

55.0401, 0.2617,
0.3494

55.0401, 0.2617,
0.3494

53.5510, 0.2535,
0.3549

56.8717, 0.2715,
0.3442

52.3752, 0.2470,
0.3605

59.0597, 0.2826,
0.3393

51.4897, 0.2425,
0.3663

61.6250, 0.2947,
0.3347


50.8652, 0.2399,
0.3721

64.5852, 0.3076,
0.3305

50.4664, 0.2391,
0.3778


67.9567, 0.3209,
0.3267

 50.2963, 0.2393,
0.3813

 71.7550, 0.3344,
0.3234

 73.5695, 0.3386,
0.3200

 73.7538, 0.3361,
0.3166

 73.9420, 0.3336,
0.3132

Harmonies

Analogous

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



55.0401, 0.2971, 0.3856



55.0401, 0.2617, 0.3494



55.0401, 0.2405, 0.3092

Triad

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



55.0401, 0.2617, 0.3494



55.0401, 0.2836, 0.2647



55.0401, 0.3938, 0.3730

Complementary

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



55.0401, 0.2617, 0.3494



28.9084, 0.4088, 0.3105

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.



55.0401, 0.3907, 0.3406



55.0401, 0.2617, 0.3494



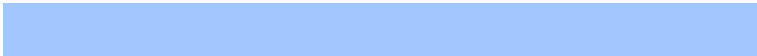
55.0401, 0.3246, 0.2807

Square

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



55.0401, 0.2617, 0.3494



55.0401, 0.2525, 0.2633



55.0401, 0.3647, 0.3077



55.0401, 0.3740, 0.3970

Rectangle

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



55.0401, 0.2617, 0.3494



55.0401, 0.2363, 0.2871



55.0401, 0.3647, 0.3077



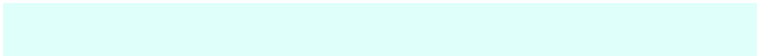
55.0401, 0.3955, 0.3627

Sweetspot

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



55.0423, 0.2617, 0.3494



93.9058, 0.2957, 0.3344



53.5310, 0.3167, 0.4609



19.9006, 0.2929, 0.3353



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.



55.0423, 0.2617, 0.3494



81.3952, 0.2537, 0.3547



41.7217, 0.2464, 0.2854



14.0718, 0.3004, 0.3328



31.0600, 0.2390, 0.3805



1.8828, 0.2363, 0.3706

Inverse Universe

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



28.9084, 0.4088, 0.3105



36.6003, 0.4431, 0.3072



37.1389, 0.4099, 0.3679



12.4532, 0.3266, 0.3253



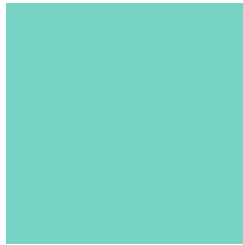
8.7230, 0.6158, 0.3166



0.5365, 0.5718, 0.2924

Previews

White Background



This preview shows how the Yxy color 55.0401, 0.2617, 0.3494 looks on a white background.

Color Contrast Check

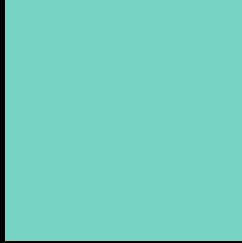
Large Text (above 18pt) WCAG AA × Fail

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 55.0401, 0.2617, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

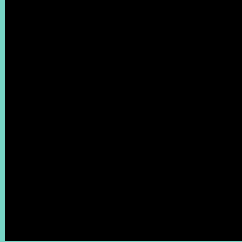
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

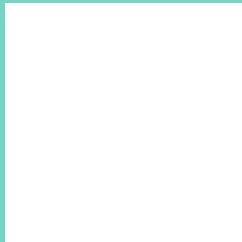
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0401, 0.2617, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 55.0401, 0.2617, 0.3494.

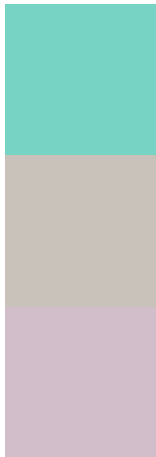


This preview shows how white text looks on a background with the Yxy color 55.0401, 0.2617, 0.3494.

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

55.0401, 0.2617, 0.3494

Protanopia

54.4508, 0.3229, 0.3376

Deuteranopia

54.3611, 0.3200, 0.3138



Tritanopia

55.0600, 0.2502, 0.3068

Trichromacy



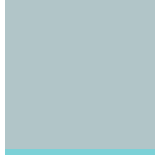
Original Color

55.0401, 0.2617, 0.3494



Protanomaly

54.1928, 0.2970, 0.3418



Deuteranomaly

53.4497, 0.2952, 0.3252



Tritanomaly

54.7923, 0.2540, 0.3209

Monochromacy



Original Color

55.0401, 0.2617, 0.3494



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.0987, 0.2906, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0401, 0.2617, 0.3494 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, 212, 197)` looks like.

```
.text, #text, p{  
    color:rgb(119, 212, 197)  
}
```

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, 212, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 212, 197) }
```

Border

The CSS property to change the border of an element to Yxy 55.0401, 0.2617, 0.3494 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, 212, 197) }
```

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

```
.border{ border-color:rgb(119, 212, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 212, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 212, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 212, 197);  
box-shadow:4px 4px 4px 4px rgb(119, 212,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0401, 0.2617, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 212, 197) }
```

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

```
.background{ background-color: rgb(119,  
212, 197) }
```

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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