

Converting Colors

$Yxy(52.8877, 0.2916, 0.4154)$

Have a look what the booklet for
Yxy(52.8877, 0.2916, 0.4154)
contains.

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Color

Yxy(52.6552, 0.2920, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	7DD296
RGB	125, 210, 150
RGB Percent	49%, 82%, 59%
CMY	0.5100, 0.1764, 0.4118
CMYK	0.40, 0.00, 0.29, 0.18
HSL	138°, 49%, 66%
HSV	138°, 40%, 82%
XYZ	37.0044, 52.6552, 37.0677
YIQ	177.7450, -31.4000, -36.6800

Conversions

Conversions Part 2

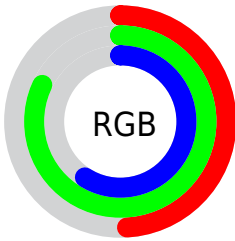
Format	Color
RYB	125, 191, 210
Decimal	8245910
CIELab	77.67, -38.66, 21.85
CIELCh	78, 44.406, 150.522
Yxy	52.6552, 0.2920, 0.4155
Android (android.graphics.Color)	4286435990 (0xFF7DD296)
YUV	177.7450, -13.6783, -46.2574
Hunter-Lab	72.5639, -35.9597, 20.5077

Details

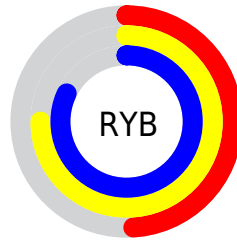
The Yxy color **52.6552, 0.2920, 0.4155** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.8610, 0.3432, 0.2563**, and the grayscale version is **44.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7034, 0.2965, 0.3867**, and **25.6456, 0.2843, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **50.7935, 0.2882, 0.4418**, and if you desaturate by 10%, it is **54.9158, 0.2966, 0.3909**.

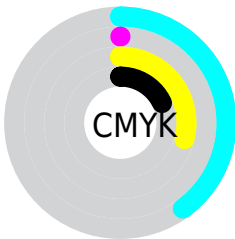
Distribution



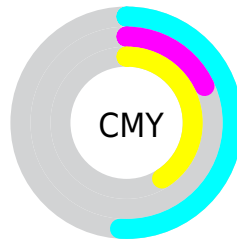
- Red (49%)
- Green (82%)
- Blue (59%)



- Red (49%)
- Yellow (75%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (29%)
- Black (18%)





- Cyan (51%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6552, 0.2920, 0.4155 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 52.6552, 0.2920, 0.4155 by changing the saturation by 10% instead.


 52.6552, 0.2920,
0.4155


 52.6552, 0.2920,
0.4155

396.9609, 0.3033,
0.3708

 37.5276, 0.2889,
0.4271


 94.0968, 0.2963,
0.3990

 25.6162, 0.2847,
0.4421


 121.1796, 0.2979,
0.3928

 16.5368, 0.2788,
0.4625


 153.0162, 0.2992,
0.3877

 9.9048, 0.2699,
0.4915

189.9911, 0.3003,
0.3833

 5.3359, 0.2555,
0.5358

232.4886, 0.3012,
0.3796

 2.4456, 0.2314,
0.6167

280.8931, 0.3020,

 0.8492, 0.0000,

0.3763

1.0000

335.5891, 0.3027,
0.3734

0.0000, 0.0000,
0.0000

52.6552, 0.2920,
0.4155

52.6552, 0.2920,
0.4155

50.7935, 0.2882,
0.4418

54.9158, 0.2966,
0.3909

49.3005, 0.2856,
0.4689

57.5901, 0.3017,
0.3683

48.1525, 0.2843,
0.4958


60.7003, 0.3070,
0.3479


47.3197, 0.2847,
0.5213

64.2651, 0.3124,
0.3298

46.7674, 0.2866,
0.5441

68.3019, 0.3178,
0.3139

 46.4446, 0.2895,
0.5623

 72.8274, 0.3229,
0.3000

 74.4964, 0.3156,
0.2863

 74.5785, 0.3148,
0.2851

Harmonies

Analogous

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



52.6552, 0.3503, 0.4379



52.6552, 0.2920, 0.4155



52.6552, 0.2422, 0.3614

Triad

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



52.6552, 0.2920, 0.4155



52.6552, 0.2265, 0.2375



52.6552, 0.4241, 0.3401

Complementary

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



52.6552, 0.2920, 0.4155



31.8610, 0.3432, 0.2563

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.



52.6552, 0.3845, 0.2958



52.6552, 0.2920, 0.4155



52.6552, 0.2677, 0.2393

Square

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



52.6552, 0.2920, 0.4155



52.6552, 0.2075, 0.2579



52.6552, 0.3253, 0.2602



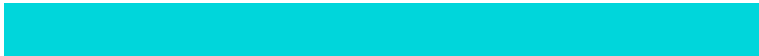
52.6552, 0.4294, 0.3857

Rectangle

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



52.6552, 0.2920, 0.4155



52.6552, 0.2198, 0.3204



52.6552, 0.3253, 0.2602



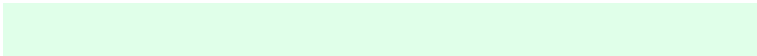
52.6552, 0.4143, 0.3248

Sweetspot

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



52.6574, 0.2920, 0.4155



93.3380, 0.3062, 0.3511



58.0062, 0.3530, 0.4358



19.8365, 0.3054, 0.3537



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.



52.6574, 0.2920, 0.4155



79.0540, 0.2885, 0.4392



54.2426, 0.2675, 0.3542



13.2627, 0.3076, 0.3458



28.3427, 0.2888, 0.5597



1.5987, 0.2783, 0.5219

Inverse Universe

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



31.8610, 0.3432, 0.2563



42.3113, 0.3526, 0.2410



30.3546, 0.3921, 0.3060



11.9472, 0.3182, 0.3127



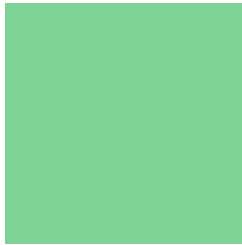
9.6835, 0.4118, 0.2042



0.5550, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 52.6552, 0.2920, 0.4155 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 52.6552, 0.2920, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

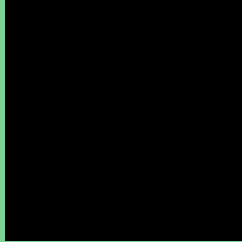
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6552, 0.2920, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 52.6552, 0.2920, 0.4155.

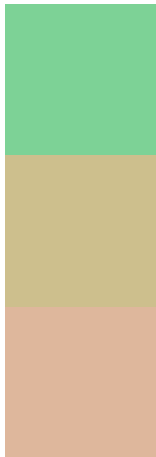


This preview shows how white text looks on a background with the Yxy color 52.6552, 0.2920, 0.4155.

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

52.6552, 0.2920, 0.4155

Protanopia

52.1638, 0.3642, 0.3908

Deuteranopia

51.7969, 0.3697, 0.3609



Tritanopia

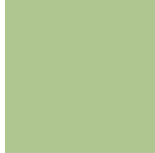
52.3585, 0.2601, 0.3080

Trichromacy



Original Color

52.6552, 0.2920, 0.4155



Protanomaly

51.6319, 0.3348, 0.4007



Deuteranomaly

51.0378, 0.3376, 0.3796



Tritanomaly

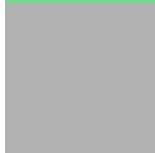
52.1869, 0.2716, 0.3439

Monochromacy



Original Color

52.6552, 0.2920, 0.4155



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.0250, 0.3041, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6552, 0.2920, 0.4155 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(125, 210, 150)` looks like.

```
.text, #text, p{  
    color:rgb(125, 210, 150)  
}
```

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(125, 210, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 210, 150) }
```

Border

The CSS property to change the border of an element to Yxy 52.6552, 0.2920, 0.4155 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(125, 210, 150) }
```

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

```
.border{ border-color:rgb(125, 210, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 210, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 210, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 210, 150);  
box-shadow:4px 4px 4px 4px rgb(125, 210,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6552, 0.2920, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 210, 150) }
```

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

```
.background{ background-color: rgb(125,  
210, 150) }
```

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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