

Converting Colors

Yxy(52.4834, 0.3212, 0.4717)

Have a look what the booklet for
Yxy(52.4834, 0.3212, 0.4717)
contains.

Yxy(52.2055, 0.3210, 0.4716)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2055, 0.3210, 0.4716)

Conversions

Conversions Part 1

Format	Color
Hex	85D26E
RGB	133, 210, 110
RGB Percent	52%, 82%, 43%
CMY	0.4784, 0.1765, 0.5686
CMYK	0.37, 0.00, 0.48, 0.18
HSL	106°, 53%, 63%
HSV	106°, 48%, 82%
XYZ	35.5343, 52.2055, 22.9589
YIQ	175.5770, -13.7920, -47.4240

Conversions

Conversions Part 2

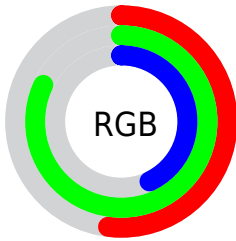
Format	Color
RYB	110, 210, 187
Decimal	8770158
CIELab	77.40, -42.40, 42.00
CIELCh	77, 59.684, 135.275
Yxy	52.2055, 0.3210, 0.4716
Android (android.graphics.Color)	4286960238 (0xFF85D26E)
YUV	175.5770, -32.3295, -37.3400
Hunter-Lab	72.2534, -38.6569, 31.7376

Details

The Yxy color **52.2055, 0.3210, 0.4716** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **26.3754, 0.2942, 0.2058**, and the grayscale version is **43.3626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9832, 0.3232, 0.4335**, and **25.3782, 0.3179, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **50.5865, 0.3208, 0.5045**, and if you desaturate by 10%, it is **54.1400, 0.3203, 0.4382**.

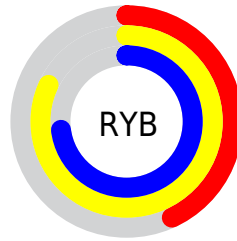
Distribution



Red (52%)

Green (82%)

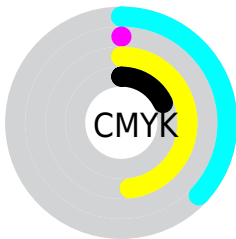
Blue (43%)



Red (43%)

Yellow (82%)

Blue (73%)

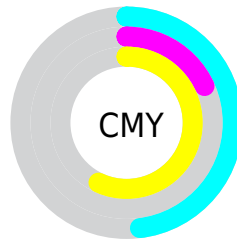


Cyan (37%)

Magenta (0%)

Yellow (48%)

Black (18%)



Cyan (48%)


Magenta (18%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2055, 0.3210, 0.4716 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 52.2055, 0.3210, 0.4716 by changing the saturation by 10% instead.


 52.2055, 0.3210,
0.4716

 52.2055, 0.3210,
0.4716


395.2294, 0.3202,
0.3975

 37.1689, 0.3200,
0.4905

 93.4342, 0.3216,
0.4442


 25.3383, 0.3178,
0.5149


 120.3952, 0.3216,
0.4341

 16.3293, 0.3136,
0.5472


 152.0997, 0.3214,
0.4255

 9.7575, 0.3051,
0.5913

 188.9321, 0.3212,
0.4183

 5.2384, 0.2912,
0.6624

231.2769, 0.3210,
0.4120

 2.3878, 0.2500,
0.7500

279.5185, 0.3207,


 0.8196, 0.0000,


0.4065


1.0000


334.0412, 0.3205,
0.4018


 0.0000, 0.0000,
0.0000


 52.2055, 0.3210,
0.4716


 52.2055, 0.3210,
0.4716


 50.5865, 0.3208,
0.5045


 54.1400, 0.3203,
0.4382

 49.2594, 0.3194,
0.5348


 56.3990, 0.3188,
0.4058

 48.2076, 0.3169,
0.5604

 58.9994, 0.3168,
0.3756


 47.4098, 0.3133,
0.5794


 61.9547, 0.3146,
0.3481


 46.8398, 0.3092,
0.5912

 65.2779, 0.3121,
0.3234

 46.7302, 0.3083,
0.5934

 68.9813, 0.3096,
0.3015

 72.9459, 0.3085,
0.2842

 74.5751, 0.3148,
0.2851

Harmonies

Analogous

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



52.2055, 0.3956, 0.4690



52.2055, 0.3210, 0.4716



52.2055, 0.2483, 0.4155

Triad

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



52.2055, 0.3210, 0.4716



52.2055, 0.1851, 0.2185



52.2055, 0.4409, 0.3106

Complementary

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



52.2055, 0.3210, 0.4716



26.3754, 0.2942, 0.2058

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.



52.2055, 0.3693, 0.2599



52.2055, 0.3210, 0.4716



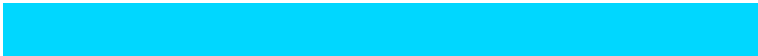
52.2055, 0.2226, 0.2088

Square

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



52.2055, 0.3210, 0.4716



52.2055, 0.1761, 0.2578



52.2055, 0.2874, 0.2239



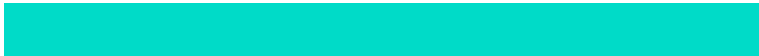
52.2055, 0.4714, 0.3683

Rectangle

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



52.2055, 0.3210, 0.4716



52.2055, 0.2108, 0.3581



52.2055, 0.2874, 0.2239



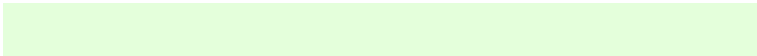
52.2055, 0.4203, 0.2926

Sweetspot

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



52.2077, 0.3210, 0.4716



93.0637, 0.3161, 0.3658



50.2304, 0.3948, 0.4211



19.7122, 0.3166, 0.3719



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.



52.2077, 0.3210, 0.4716



78.4834, 0.3208, 0.5046



51.2080, 0.2908, 0.4384



13.3355, 0.3150, 0.3528



28.5414, 0.3091, 0.5928



1.6326, 0.3222, 0.5823

Inverse Universe

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



26.3754, 0.2942, 0.2058



33.7610, 0.2886, 0.1819



28.2902, 0.3472, 0.2411



11.8664, 0.3102, 0.3058



7.5536, 0.2637, 0.1226



0.4566, 0.2747, 0.1287

Previews

White Background



This preview shows how the Yxy color 52.2055, 0.3210, 0.4716 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 52.2055, 0.3210, 0.4716 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 52.2055, 0.3210, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 52.2055, 0.3210, 0.4716.

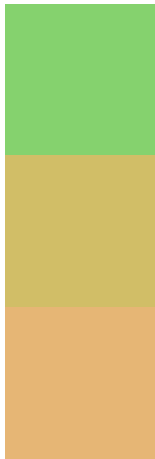


This preview shows how white text looks on a background with the Yxy color 52.2055, 0.3210, 0.4716.

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

52.2055, 0.3210, 0.4716

Protanopia

51.3615, 0.3970, 0.4324

Deuteranopia

51.5632, 0.4102, 0.4024



Tritanopia

51.8225, 0.2682, 0.3082

Trichromacy



Original Color

52.2055, 0.3210, 0.4716



Protanomaly

50.7969, 0.3662, 0.4469



Deuteranomaly

50.5163, 0.3754, 0.4272



Tritanomaly

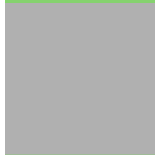
51.3049, 0.2877, 0.3649

Monochromacy



Original Color

52.2055, 0.3210, 0.4716



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.7070, 0.3169, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2055, 0.3210, 0.4716 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(133, 210, 110)` looks like.

```
.text, #text, p{  
    color:rgb(133, 210, 110)  
}
```

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(133, 210, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 210, 110) }
```

Border

The CSS property to change the border of an element to Yxy 52.2055, 0.3210, 0.4716 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(133, 210, 110) }
```

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

```
.border{ border-color:rgb(133, 210, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 210, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 210, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 210, 110);  
box-shadow:4px 4px 4px 4px rgb(133, 210,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2055, 0.3210, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 210, 110) }
```

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

```
.background{ background-color: rgb(133,  
210, 110) }
```

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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