

Converting Colors

$Y_{xy}(21.0462, 0.4533, 0.3612)$

Have a look what the booklet for
Yxy(21.0462, 0.4533, 0.3612)
contains.

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Color

Yxy(21.1229, 0.4529, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	B86A53
RGB	184, 106, 83
RGB Percent	72%, 42%, 33%
CMY	0.2785, 0.5842, 0.6746
CMYK	0.00, 0.42, 0.55, 0.28
HSL	14°, 42%, 52%
HSV	14°, 55%, 72%
XYZ	26.4782, 21.1229, 10.8625
YIQ	126.7000, 53.8710, 9.3830

Conversions

Conversions Part 2

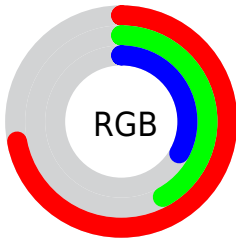
Format	Color
RYB	184, 113, 83
Decimal	12085843
CIELab	53.08, 28.78, 26.35
CIElCh	53, 39.020, 42.480
Yxy	21.1229, 0.4529, 0.3613
Android (android.graphics.Color)	4290275923 (0xFFB86A53)
YUV	126.7000, -21.5441, 50.2521
Hunter-Lab	45.9597, 22.4076, 18.1586

Details

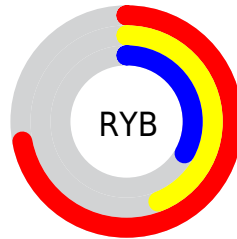
The Yxy color **21.1229, 0.4529, 0.3613** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **30.7691, 0.2361, 0.2912**, and the grayscale version is **21.1774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2019, 0.4216, 0.3567**, and **7.5719, 0.5077, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **18.1872, 0.4917, 0.3648**, and if you desaturate by 10%, it is **24.6210, 0.4176, 0.3561**.

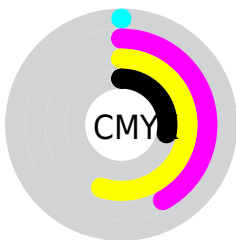
Distribution



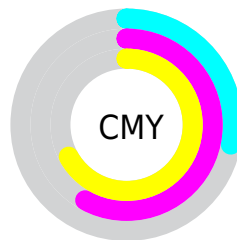
- Red (72%)
- Green (42%)
- Blue (33%)



- Red (72%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (42%)
- Yellow (55%)
- Black (28%)





- Cyan (28%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1229, 0.4529, 0.3613 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 21.1229, 0.4529, 0.3613 by changing the saturation by 10% instead.


 21.1229, 0.4529,
0.3613

 21.1229, 0.4529,
0.3613


257.9309, 0.3734,
0.3473

 13.2139, 0.4758,
0.3631


 45.2920, 0.4217,
0.3572


 7.5760, 0.5069,
0.3638


 62.3208, 0.4107,
0.3553

 3.8248, 0.5505,
0.3608

 83.1584, 0.4016,
0.3536

 1.5761, 0.6386,
0.3614

 108.1891, 0.3941,
0.3520

 0.3414, 0.7530,
0.2470

 137.7973, 0.3877,
0.3507

 0.0000, 0.0000,
0.0000

172.3674, 0.3823,

0.3494

212.2838, 0.3775,
0.3483

■ 21.1229, 0.4529,
0.3613

■ 21.1229, 0.4529,
0.3613

■ 18.1872, 0.4917,
0.3648

■ 24.6210, 0.4176,
0.3561

■ 15.7806, 0.5317,
0.3655

■ 28.7059, 0.3869,
0.3501

■ 13.8714, 0.5690,
0.3626

■ 33.4043, 0.3607,
0.3438

■ 12.4225, 0.5993,
0.3559

■ 38.7407, 0.3388,
0.3376

■ 11.8405, 0.6122,
0.3521

■ 44.7377, 0.3205,
0.3317

■ 51.4172, 0.3053,
0.3263

■ 58.7998, 0.2926,
0.3213

■ 66.9055, 0.2820,
0.3167

■ 75.7533, 0.2731,
0.3126

Harmonies

Analogous

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



21.1229, 0.4213, 0.3089



21.1229, 0.4529, 0.3613



21.1229, 0.4408, 0.4130

Triad

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



21.1229, 0.4529, 0.3613



21.1229, 0.2616, 0.4108



21.1229, 0.2278, 0.2204

Complementary

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



21.1229, 0.4529, 0.3613



30.7691, 0.2361, 0.2912

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.



21.1229, 0.1957, 0.2324



21.1229, 0.4529, 0.3613



21.1229, 0.2124, 0.3370

Square

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



21.1229, 0.4529, 0.3613



21.1229, 0.3280, 0.4556



21.1229, 0.1902, 0.2715



21.1229, 0.2844, 0.2320

Rectangle

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



21.1229, 0.4529, 0.3613



21.1229, 0.4124, 0.4413



21.1229, 0.1902, 0.2715



21.1229, 0.2142, 0.2216

Sweetspot

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



21.1240, 0.4529, 0.3613



68.8461, 0.3416, 0.3384



18.9843, 0.3469, 0.2241



14.4031, 0.3458, 0.3397



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.1240, 0.4529, 0.3613



31.9319, 0.5005, 0.3652



34.3759, 0.4110, 0.4268



9.3357, 0.3282, 0.3343



8.2533, 0.6102, 0.3537



0.3864, 0.5599, 0.3936

Inverse Universe

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



30.7691, 0.2361, 0.2912



51.0506, 0.2237, 0.2811



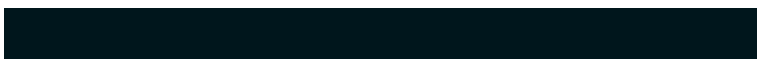
16.7988, 0.2180, 0.2039



9.8539, 0.2985, 0.3237



15.8362, 0.2041, 0.2547



0.6447, 0.2100, 0.2760

Previews

White Background



This preview shows how the Yxy color 21.1229, 0.4529, 0.3613 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1229, 0.4529, 0.3613 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 × Fail

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

Yxy 21.1229, 0.4529, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 21.1229, 0.4529, 0.3613.



This preview shows how white text looks on a background with the Yxy color 21.1229, 0.4529, 0.3613.

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

21.1229, 0.4529, 0.3613

Protanopia

21.2698, 0.3654, 0.3918

Deuteranopia

21.3683, 0.4050, 0.3981



Tritanopia

21.0676, 0.4199, 0.3181

Trichromacy



Original Color

21.1229, 0.4529, 0.3613

Protanomaly

20.7849, 0.3963, 0.3791

Deuteranomaly

21.0842, 0.4230, 0.3836

Tritanomaly

20.9349, 0.4327, 0.3336

Monochromacy



Original Color

21.1229, 0.4529, 0.3613

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6372, 0.3601, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1229, 0.4529, 0.3613 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(184, 106, 83)` looks like.

```
.text, #text, p{  
    color:rgb(184, 106, 83)  
}
```

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(184, 106, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 106, 83) }
```

Border

The CSS property to change the border of an element to Yxy 21.1229, 0.4529, 0.3613 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(184, 106, 83) }
```

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

```
.border{ border-color:rgb(184, 106, 83) }
```

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

Here you see how a box with a 4 pixel rgb(184, 106, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 106, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 106, 83);  
box-shadow:4px 4px 4px 4px rgb(184, 106,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1229, 0.4529, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 106, 83) }
```

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

```
.background{ background-color: rgb(184,  
106, 83) }
```

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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