

Converting Colors

$Y_{xy}(21.1146, 0.4163, 0.3293)$

Have a look what the booklet for
Yxy(21.1146, 0.4163, 0.3293)
contains.

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Color

Yxy(21.0520, 0.4157, 0.3293)

Conversions

Conversions Part 1

Format	Color
Hex	B46A6A
RGB	180, 106, 106
RGB Percent	71%, 42%, 42%
CMY	0.2942, 0.5843, 0.5843
CMYK	0.00, 0.41, 0.41, 0.29
HSL	360°, 33%, 56%
HSV	360°, 41%, 71%
XYZ	26.5755, 21.0520, 16.3020
YIQ	128.1260, 44.1040, 15.6880

Conversions

Conversions Part 2

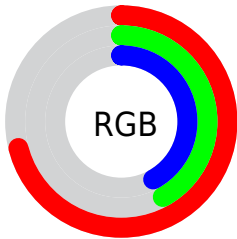
Format	Color
R _Y B	180, 106, 106
Decimal	11823722
CIE Lab	53.01, 29.51, 12.78
CIE LCh	53, 32.158, 23.410
Yxy	21.0520, 0.4157, 0.3293
Android (android.graphics.Color)	4290013802 (0xFFB46A6A)
YUV	128.1260, -10.9081, 45.4935
Hunter-Lab	45.8825, 23.0944, 11.0520

Details

The Yxy color **21.0520, 0.4157, 0.3293** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **38.9951, 0.2572, 0.3288**, and the grayscale version is **21.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0652, 0.3927, 0.3304**, and **7.5271, 0.4568, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **17.3881, 0.4560, 0.3294**, and if you desaturate by 10%, it is **25.5751, 0.3819, 0.3292**.

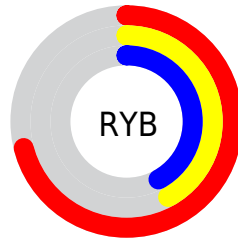
Distribution



Red (71%)

Green (42%)

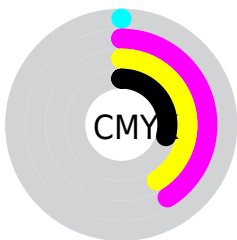
Blue (42%)



Red (71%)

Yellow (42%)

Blue (42%)

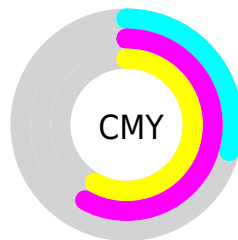


Cyan (0%)

Magenta (41%)

Yellow (41%)

Black (29%)



Cyan (29%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0520, 0.4157, 0.3293 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 21.0520, 0.4157, 0.3293 by changing the saturation by 10% instead.


 21.0520, 0.4157,
0.3293


 21.0520, 0.4157,
0.3293


257.5547, 0.3569,
0.3309


 13.1620, 0.4333,
0.3280


 45.1741, 0.3923,
0.3305


 7.5402, 0.4579,
0.3254


 62.1749, 0.3842,
0.3307

 3.8022, 0.4944,
0.3202

 82.9815, 0.3775,
0.3308

 1.5635, 0.5563,
0.3100

 107.9783, 0.3720,
0.3309

 0.3328, 0.7597,
0.2403


137.5496, 0.3673,
0.3309


 0.0000, 0.0000,
0.0000


172.0799, 0.3633,


0.3309


211.9534, 0.3599,
0.3309


 21.0520, 0.4157,
0.3293


 21.0520, 0.4157,
0.3293


 17.3881, 0.4560,
0.3294


 25.5751, 0.3819,
0.3292


 14.5261, 0.5017,
0.3296


 31.0036, 0.3543,
0.3291


 12.4070, 0.5492,
0.3297

 37.3842, 0.3322,
0.3291


 10.9621, 0.5921,
0.3298

 44.7594, 0.3144,
0.3290

 10.1099, 0.6232,
0.3299

 53.1692, 0.3002,
0.3290

 9.7012, 0.6401,
0.3300

 62.6513, 0.2888,
0.3289

 73.2417, 0.2795,
0.3289

 84.9745, 0.2719,
0.3289

 88.4412, 0.2701,
0.3289

Harmonies

Analogous

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



21.0520, 0.3705, 0.2870



21.0520, 0.4157, 0.3293



21.0520, 0.4295, 0.3747

Triad

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



21.0520, 0.4157, 0.3293



21.0520, 0.3058, 0.4225



21.0520, 0.2212, 0.2417

Complementary

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



21.0520, 0.4157, 0.3293



38.9951, 0.2572, 0.3288

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.



21.0520, 0.2080, 0.2673



21.0520, 0.4157, 0.3293



21.0520, 0.2535, 0.3750

Square

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



21.0520, 0.4157, 0.3293



21.0520, 0.3629, 0.4355



21.0520, 0.2189, 0.3151



21.0520, 0.2570, 0.2384

Rectangle

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



21.0520, 0.4157, 0.3293



21.0520, 0.4191, 0.4025



21.0520, 0.2189, 0.3151



21.0520, 0.2142, 0.2476

Sweetspot

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



21.0530, 0.4157, 0.3293



66.4308, 0.3344, 0.3291



23.1594, 0.3160, 0.2292



14.0236, 0.3370, 0.3291



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.



21.0530, 0.4157, 0.3293



32.2896, 0.4506, 0.3294



30.0184, 0.3938, 0.3806



8.5053, 0.3287, 0.3290



6.7723, 0.6401, 0.3300



0.2131, 0.6401, 0.3300

Inverse Universe

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



21.0530, 0.4157, 0.3293



32.2896, 0.4506, 0.3294



26.3762, 0.2480, 0.2704



8.5053, 0.3287, 0.3290



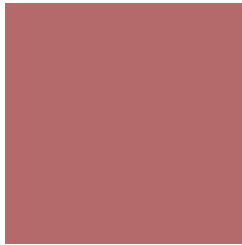
6.7723, 0.6401, 0.3300



0.2131, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 21.0520, 0.4157, 0.3293 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 21.0520, 0.4157, 0.3293 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 21.0520, 0.4157, 0.3293

Background



This preview shows how black text looks on a background with the Yxy color 21.0520, 0.4157, 0.3293.



This preview shows how white text looks on a background with the Yxy color 21.0520, 0.4157, 0.3293.

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

21.0520, 0.4157, 0.3293

Protanopia

21.3452, 0.3311, 0.3489

Deuteranopia

21.1014, 0.3677, 0.3618



Tritanopia

21.1192, 0.4075, 0.3177

Trichromacy



Original Color

21.0520, 0.4157, 0.3293

Protanomaly

20.7531, 0.3602, 0.3411

Deuteranomaly

20.8612, 0.3852, 0.3488

Tritanomaly

21.0527, 0.4118, 0.3220

Monochromacy



Original Color

21.0520, 0.4157, 0.3293

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9921, 0.3471, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0520, 0.4157, 0.3293 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(180, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(180, 106, 106)  
}
```

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(180, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 106, 106) }
```

Border

The CSS property to change the border of an element to Yxy 21.0520, 0.4157, 0.3293 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(180, 106, 106) }
```

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

```
.border{ border-color:rgb(180, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(180, 106,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0520, 0.4157, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 106, 106) }
```

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

```
.background{ background-color: rgb(180,  
106, 106) }
```

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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