

Converting Colors

$Y_{xy}(20.3090, 0.4593, 0.3522)$

Have a look what the booklet for
Yxy(20.3090, 0.4593, 0.3522)
contains.

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Color

Yxy(20.3866, 0.4584, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	BA6554
RGB	186, 101, 84
RGB Percent	73%, 40%, 33%
CMY	0.2706, 0.6039, 0.6705
CMYK	0.00, 0.46, 0.55, 0.27
HSL	10°, 42%, 53%
HSV	10°, 55%, 73%
XYZ	26.5037, 20.3866, 10.9276
YIQ	124.4770, 56.1170, 12.7330

Conversions

Conversions Part 2

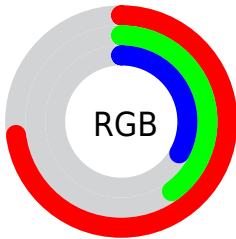
Format	Color
R _{YB}	186, 104, 84
Decimal	12215636
CIE Lab	52.27, 32.38, 24.77
CIE LCh	52, 40.769, 37.408
Yxy	20.3866, 0.4584, 0.3526
Android (android.graphics.Color)	4290405716 (0xFFBA6554)
YUV	124.4770, -19.9552, 53.9557
Hunter-Lab	45.1515, 25.7635, 17.2567

Details

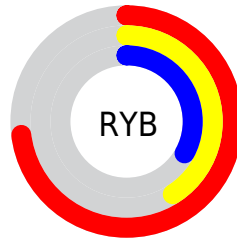
The Yxy color **20.3866, 0.4584, 0.3526** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.8076, 0.2383, 0.3016**, and the grayscale version is **20.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9162, 0.4252, 0.3500**, and **7.2696, 0.5149, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **17.4022, 0.4997, 0.3549**, and if you desaturate by 10%, it is **24.0182, 0.4210, 0.3489**.

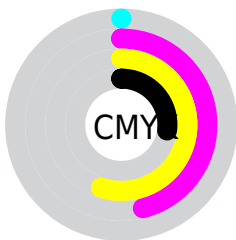
Distribution



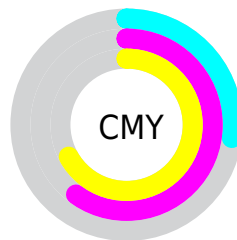
- Red (73%)
- Green (40%)
- Blue (33%)



- Red (73%)
- Yellow (41%)
- Blue (33%)



- Cyan (0%)
- Magenta (46%)
- Yellow (55%)
- Black (27%)



- Cyan (27%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3866, 0.4584, 0.3526 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 20.3866, 0.4584, 0.3526 by changing the saturation by 10% instead.


 20.3866, 0.4584,
0.3526


 20.3866, 0.4584,
0.3526


254.0004, 0.3753,
0.3435


 12.6764, 0.4827,
0.3529


 44.0644, 0.4256,
0.3504


 7.2061, 0.5157,
0.3516


 60.8008, 0.4141,
0.3492


 3.5913, 0.5626,
0.3457

 81.3146, 0.4046,
0.3481

 1.4477, 0.6584,
0.3416

 105.9904, 0.3968,
0.3470

 0.2515, 0.8059,
0.1941

 135.2125, 0.3901,
0.3460

 0.0000, 0.0000,
0.0000

169.3652, 0.3845,

0.3451

208.8331, 0.3796,
0.3443

■ 20.3866, 0.4584,
0.3526

■ 20.3866, 0.4584,
0.3526

■ 17.4022, 0.4997,
0.3549

■ 24.0182, 0.4210,
0.3489

■ 15.0236, 0.5421,
0.3549

■ 28.3289, 0.3887,
0.3445

■ 13.2093, 0.5810,
0.3520

■ 33.3522, 0.3615,
0.3398

■ 11.9113, 0.6112,
0.3462

■ 39.1187, 0.3390,
0.3353

■ 11.4186, 0.6234,
0.3432

■ 45.6568, 0.3205,
0.3310

■ 52.9939, 0.3052,
0.3270

■ 61.1555, 0.2926,
0.3233

■ 70.1665, 0.2821,
0.3200

■ 80.0503, 0.2734,
0.3170

Harmonies

Analogous

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



20.3866, 0.4177, 0.2987



20.3866, 0.4584, 0.3526



20.3866, 0.4527, 0.4076

Triad

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



20.3866, 0.4584, 0.3526



20.3866, 0.2694, 0.4274



20.3866, 0.2159, 0.2154

Complementary

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



20.3866, 0.4584, 0.3526



33.8076, 0.2383, 0.3016

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.



20.3866, 0.1872, 0.2320



20.3866, 0.4584, 0.3526



20.3866, 0.2140, 0.3507

Square

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



20.3866, 0.4584, 0.3526



20.3866, 0.3404, 0.4662



20.3866, 0.1861, 0.2777



20.3866, 0.2710, 0.2238

Rectangle

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



20.3866, 0.4584, 0.3526



20.3866, 0.4261, 0.4399



20.3866, 0.1861, 0.2777



20.3866, 0.2033, 0.2180

Sweetspot

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



20.3877, 0.4584, 0.3526



69.3247, 0.3420, 0.3359



19.7101, 0.3378, 0.2166



14.7748, 0.3464, 0.3369



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.3877, 0.4584, 0.3526



30.4753, 0.5093, 0.3551



32.9886, 0.4162, 0.4185



9.2476, 0.3284, 0.3329



7.7584, 0.6216, 0.3447



0.3491, 0.5775, 0.3796

Inverse Universe

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



33.8076, 0.2383, 0.3016



57.1466, 0.2269, 0.2944



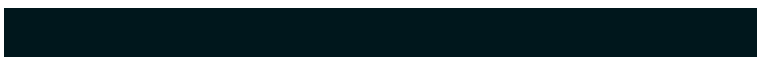
18.7928, 0.2205, 0.2159



9.9490, 0.2985, 0.3251



18.2519, 0.2099, 0.2757



0.7119, 0.2141, 0.2909

Previews

White Background



This preview shows how the Yxy color 20.3866, 0.4584, 0.3526 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 20.3866, 0.4584, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

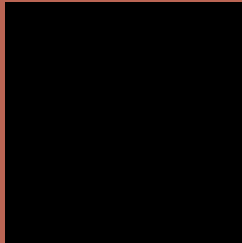
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3866, 0.4584, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 20.3866, 0.4584, 0.3526.



This preview shows how white text looks on a background with the Yxy color 20.3866, 0.4584, 0.3526.

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

20.3866, 0.4584, 0.3526

Protanopia

20.5437, 0.3601, 0.3856

Deuteranopia

20.6063, 0.4014, 0.3945



Tritanopia

20.3201, 0.4312, 0.3196

Trichromacy



Original Color

20.3866, 0.4584, 0.3526

Protanomaly

20.0013, 0.3957, 0.3729

Deuteranomaly

20.3120, 0.4230, 0.3779

Tritanomaly

20.3515, 0.4425, 0.3321

Monochromacy



Original Color

20.3866, 0.4584, 0.3526

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7980, 0.3626, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3866, 0.4584, 0.3526 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(186, 101, 84)` looks like.

```
.text, #text, p{  
    color:rgb(186, 101, 84)  
}
```

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(186, 101, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 101, 84) }
```

Border

The CSS property to change the border of an element to Yxy 20.3866, 0.4584, 0.3526 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(186, 101, 84) }
```

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

```
.border{ border-color:rgb(186, 101, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 101, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 101, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 101, 84);  
box-shadow:4px 4px 4px 4px rgb(186, 101,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3866, 0.4584, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 101, 84) }
```

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

```
.background{ background-color: rgb(186,  
101, 84) }
```

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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