

Converting Colors

$Y_{xy}(20.0426, 0.4456, 0.3446)$

Have a look what the booklet for
Yxy(20.0426, 0.4456, 0.3446)
contains.

Yxy(20.1128, 0.4463, 0.3448)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1128, 0.4463, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	B7655A
RGB	183, 101, 90
RGB Percent	72%, 40%, 35%
CMY	0.2822, 0.6040, 0.6470
CMYK	0.00, 0.45, 0.51, 0.28
HSL	7°, 39%, 54%
HSV	7°, 51%, 72%
XYZ	26.0335, 20.1128, 12.1855
YIQ	124.2640, 52.4030, 13.9630

Conversions

Conversions Part 2

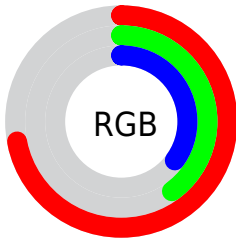
Format	Color
R _Y B	183, 102, 90
Decimal	12019034
CIE Lab	51.96, 31.76, 20.80
CIE LCh	52, 37.968, 33.217
Yxy	20.1128, 0.4463, 0.3448
Android (android.graphics.Color)	4290209114 (0xFFB7655A)
YUV	124.2640, -16.8922, 51.5115
Hunter-Lab	44.8473, 25.1350, 15.2834

Details

The Yxy color **20.1128, 0.4463, 0.3448** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.1220, 0.2441, 0.3114**, and the grayscale version is **20.2931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5532, 0.4162, 0.3437**, and **7.0735, 0.5002, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **17.0071, 0.4880, 0.3468**, and if you desaturate by 10%, it is **23.9131, 0.4095, 0.3420**.

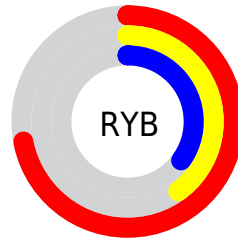
Distribution



Red (72%)

Green (40%)

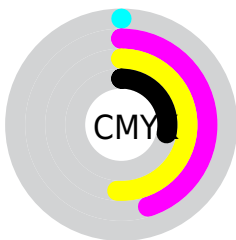
Blue (35%)



Red (72%)

Yellow (40%)

Blue (35%)

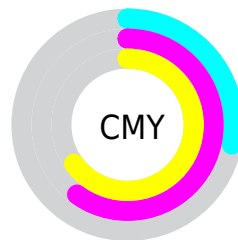


Cyan (0%)

Magenta (45%)

Yellow (51%)

Black (28%)



Cyan (28%)


Magenta (60%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1128, 0.4463, 0.3448 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 20.1128, 0.4463, 0.3448 by changing the saturation by 10% instead.


 20.1128, 0.4463,
0.3448


 20.1128, 0.4463,
0.3448


252.5251, 0.3697,
0.3392


 12.4771, 0.4690,
0.3446


 43.6062, 0.4159,
0.3437


 7.0695, 0.5005,
0.3429


 60.2327, 0.4052,
0.3430


 3.5056, 0.5460,
0.3374

 80.6249, 0.3966,
0.3423

 1.4010, 0.6572,
0.3428

 105.1671, 0.3894,
0.3416

 0.2175, 0.8199,
0.1801


 134.2439, 0.3833,
0.3409


 0.0000, 0.0000,
0.0000


168.2396, 0.3781,


0.3403


207.5385, 0.3736,
0.3398


 20.1128, 0.4463,
0.3448


 20.1128, 0.4463,
0.3448


 17.0071, 0.4880,
0.3468

 23.9131, 0.4095,
0.3420


 14.5508, 0.5322,
0.3473


 28.4433, 0.3783,
0.3387

 12.6986, 0.5743,
0.3457

 33.7401, 0.3524,
0.3354

 11.3975, 0.6084,
0.3420

 39.8366, 0.3313,
0.3322

 10.6293, 0.6300,
0.3380

 46.7643, 0.3140,
0.3292

■ 54.5527, 0.2999,
0.3265

■ 63.2300, 0.2883,
0.3240

■ 72.8230, 0.2787,
0.3218

■ 83.3575, 0.2708,
0.3197

Harmonies

Analogous

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



20.1128, 0.4027, 0.2941



20.1128, 0.4463, 0.3448



20.1128, 0.4476, 0.3972

Triad

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



20.1128, 0.4463, 0.3448



20.1128, 0.2814, 0.4282



20.1128, 0.2161, 0.2224

Complementary

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



20.1128, 0.4463, 0.3448



35.1220, 0.2441, 0.3114

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.



20.1128, 0.1923, 0.2423



20.1128, 0.4463, 0.3448



20.1128, 0.2259, 0.3602

Square

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



20.1128, 0.4463, 0.3448



20.1128, 0.3490, 0.4579



20.1128, 0.1952, 0.2898



20.1128, 0.2652, 0.2271

Rectangle

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



20.1128, 0.4463, 0.3448



20.1128, 0.4261, 0.4284



20.1128, 0.1952, 0.2898



20.1128, 0.2052, 0.2262

Sweetspot

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



20.1138, 0.4463, 0.3448



66.3082, 0.3401, 0.3336



20.3710, 0.3316, 0.2203



14.1422, 0.3446, 0.3343



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.



20.1138, 0.4463, 0.3448



29.8671, 0.4932, 0.3469



31.7934, 0.4097, 0.4087



9.1783, 0.3285, 0.3318



7.4671, 0.6286, 0.3390



0.3194, 0.5933, 0.3671

Inverse Universe

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



35.1220, 0.2441, 0.3114



59.6555, 0.2335, 0.3069



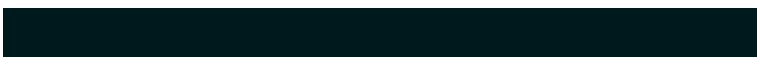
20.4318, 0.2286, 0.2314



10.0249, 0.2985, 0.3262



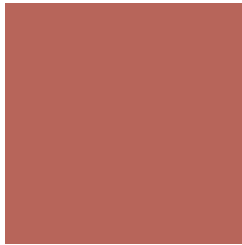
20.3339, 0.2144, 0.2919



0.7683, 0.2173, 0.3023

Previews

White Background



This preview shows how the Yxy color 20.1128, 0.4463, 0.3448 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 20.1128, 0.4463, 0.3448 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 20.1128, 0.4463, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 20.1128, 0.4463, 0.3448.



This preview shows how white text looks on a background with the Yxy color 20.1128, 0.4463, 0.3448.

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

20.1128, 0.4463, 0.3448

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.1777, 0.3908, 0.3841



Tritanopia

20.1546, 0.4252, 0.3194

Trichromacy



Original Color

20.1128, 0.4463, 0.3448

Protanomaly

19.9146, 0.3852, 0.3632

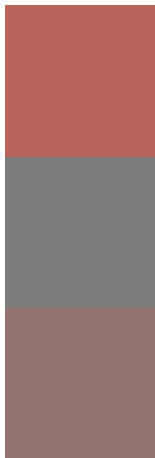
Deuteranomaly

19.8700, 0.4120, 0.3678

Tritanomaly

20.2248, 0.4336, 0.3294

Monochromacy



Original Color

20.1128, 0.4463, 0.3448

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6804, 0.3560, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1128, 0.4463, 0.3448 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(183, 101, 90)` looks like.

```
.text, #text, p{  
    color:rgb(183, 101, 90)  
}
```

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(183, 101, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 101, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.1128, 0.4463, 0.3448 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(183, 101, 90) }
```

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

```
.border{ border-color:rgb(183, 101, 90) }
```

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

Here you see how a box with a 4 pixel rgb(183, 101, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 101, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 101, 90);  
box-shadow:4px 4px 4px 4px rgb(183, 101,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1128, 0.4463, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 101, 90) }
```

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

```
.background{ background-color: rgb(183,  
101, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor