

Converting Colors

$Y_{xy}(20.7730, 0.4381, 0.3321)$

Have a look what the booklet for
Yxy(20.7730, 0.4381, 0.3321)
contains.

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Color

Yxy(20.7730, 0.4381, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	BB6563
RGB	187, 101, 99
RGB Percent	73%, 40%, 39%
CMY	0.2666, 0.6040, 0.6117
CMYK	0.00, 0.46, 0.47, 0.27
HSL	1°, 39%, 56%
HSV	1°, 47%, 73%
XYZ	27.4033, 20.7730, 14.3741
YIQ	126.4860, 51.8980, 17.6100

Conversions

Conversions Part 2

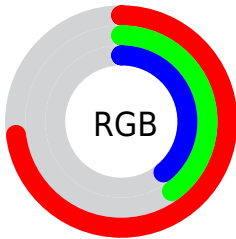
Format	Color
RYB	187, 101, 99
Decimal	12281187
CIELab	52.70, 34.19, 16.61
CIElCh	53, 38.013, 25.913
Yxy	20.7730, 0.4381, 0.3321
Android (android.graphics.Color)	4290471267 (0xFFBB6563)
YUV	126.4860, -13.5506, 53.0708
Hunter-Lab	45.5774, 27.5624, 13.2055

Details

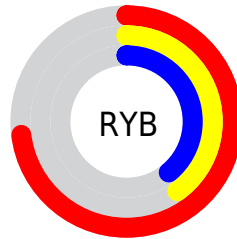
The Yxy color **20.7730, 0.4381, 0.3321** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **40.9591, 0.2504, 0.3258**, and the grayscale version is **21.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5773, 0.4096, 0.3326**, and **7.3705, 0.4879, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **17.2931, 0.4814, 0.3326**, and if you desaturate by 10%, it is **25.1275, 0.4008, 0.3315**.

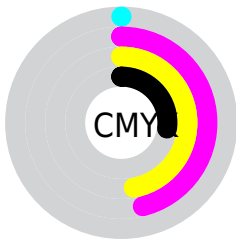
Distribution



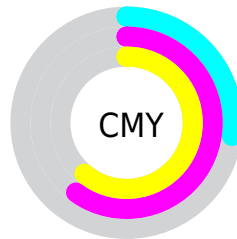
- Red (73%)
- Green (40%)
- Blue (39%)



- Red (73%)
- Yellow (40%)
- Blue (39%)



- Cyan (0%)
- Magenta (46%)
- Yellow (47%)
- Black (27%)



- Cyan (27%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7730, 0.4381, 0.3321 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 20.7730, 0.4381, 0.3321 by changing the saturation by 10% instead.


 20.7730, 0.4381,
0.3321


 20.7730, 0.4381,
0.3321


256.0696, 0.3664,
0.3331


 12.9582, 0.4594,
0.3305


 44.7094, 0.4096,
0.3333


 7.3998, 0.4890,
0.3272


 61.5998, 0.3997,
0.3335

 3.7133, 0.5323,
0.3201

 82.2842, 0.3916,
0.3335

 1.5145, 0.6137,
0.3105

 107.1470, 0.3849,
0.3335

 0.2989, 0.7937,
0.2063

136.5725, 0.3792,
0.3334

 0.0000, 1.0000,
0.0000

170.9452, 0.3743,

 0.0000, 0.0000,


0.3333


0.0000


210.6494, 0.3701,
0.3332

 20.7730, 0.4381,
0.3321


 20.7730, 0.4381,
0.3321


 17.2931, 0.4814,
0.3326


 25.1275, 0.4008,
0.3315


 14.6258, 0.5283,
0.3328


 30.4067, 0.3698,
0.3308


 12.7062, 0.5738,
0.3327


 36.6608, 0.3447,
0.3301

 11.4579, 0.6107,
0.3320

 43.9354, 0.3245,
0.3294

 10.7871, 0.6334,
0.3312


 52.2733, 0.3083,
0.3288

 10.6581, 0.6385,
0.3312

 61.7147, 0.2952,
0.3283

 72.2979, 0.2847,
0.3278

 84.0592, 0.2761,
0.3274

 89.3071, 0.2736,
0.3289

Harmonies

Analogous

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



20.7730, 0.3865, 0.2833



20.7730, 0.4381, 0.3321



20.7730, 0.4500, 0.3844

Triad

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



20.7730, 0.4381, 0.3321



20.7730, 0.2977, 0.4388



20.7730, 0.2087, 0.2258

Complementary

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



20.7730, 0.4381, 0.3321



40.9591, 0.2504, 0.3258

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.



20.7730, 0.1915, 0.2520



20.7730, 0.4381, 0.3321



20.7730, 0.2381, 0.3779

Square

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



20.7730, 0.4381, 0.3321



20.7730, 0.3648, 0.4564



20.7730, 0.2010, 0.3056



20.7730, 0.2516, 0.2247

Rectangle

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



20.7730, 0.4381, 0.3321



20.7730, 0.4347, 0.4170



20.7730, 0.2010, 0.3056



20.7730, 0.2001, 0.2315

Sweetspot

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



20.7741, 0.4381, 0.3321



69.1399, 0.3385, 0.3299



23.0204, 0.3197, 0.2179



14.6323, 0.3432, 0.3300



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.



20.7741, 0.4381, 0.3321



31.0470, 0.4807, 0.3326



31.5621, 0.4073, 0.3919



9.5697, 0.3288, 0.3296



7.3562, 0.6381, 0.3315



0.3000, 0.6306, 0.3375

Inverse Universe

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



40.9591, 0.2504, 0.3258



71.3812, 0.2414, 0.3251



25.4552, 0.2376, 0.2549



10.7718, 0.2985, 0.3284



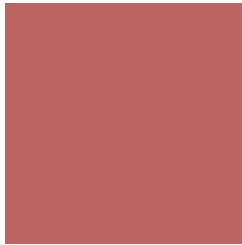
25.7669, 0.2228, 0.3220



1.0210, 0.2233, 0.3237

Previews

White Background



This preview shows how the Yxy color 20.7730, 0.4381, 0.3321 looks on a white background.

Color Contrast Check

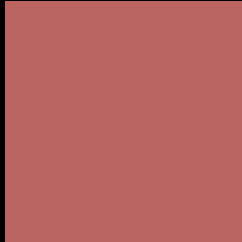
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7730, 0.4381, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

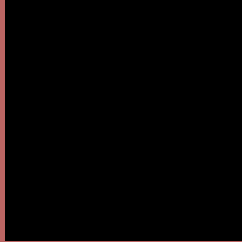
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7730, 0.4381, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 20.7730, 0.4381, 0.3321.



This preview shows how white text looks on a background with the Yxy color 20.7730, 0.4381, 0.3321.

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

20.7730, 0.4381, 0.3321

Protanopia

20.9749, 0.3372, 0.3563

Deuteranopia

20.8905, 0.3808, 0.3736



Tritanopia

20.8672, 0.4281, 0.3196

Trichromacy



Original Color

20.7730, 0.4381, 0.3321

Protanomaly

20.4595, 0.3715, 0.3460

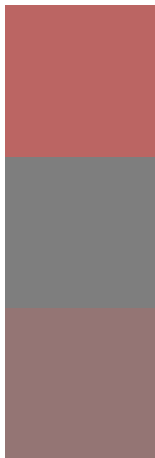
Deuteranomaly

20.6657, 0.4024, 0.3580

Tritanomaly

20.8052, 0.4326, 0.3238

Monochromacy



Original Color

20.7730, 0.4381, 0.3321

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.2794, 0.3544, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7730, 0.4381, 0.3321 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(187, 101, 99)` looks like.

```
.text, #text, p{  
    color:rgb(187, 101, 99)  
}
```

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(187, 101, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 101, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.7730, 0.4381, 0.3321 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(187, 101, 99) }
```

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

```
.border{ border-color:rgb(187, 101, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 101, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 101, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 101, 99);  
box-shadow:4px 4px 4px 4px rgb(187, 101,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7730, 0.4381, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 101, 99) }
```

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

```
.background{ background-color: rgb(187,  
101, 99) }
```

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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