

Converting Colors

$Y_{xy}(20.0207, 0.4079, 0.3370)$

Have a look what the booklet for
Yxy(20.0207, 0.4079, 0.3370)
contains.

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Color

Yxy(20.0207, 0.4079, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	AA6B66
RGB	170, 107, 102
RGB Percent	67%, 42%, 40%
CMY	0.3333, 0.5804, 0.6000
CMYK	0.00, 0.37, 0.40, 0.33
HSL	4°, 29%, 53%
HSV	4°, 40%, 67%
XYZ	24.2328, 20.0207, 15.1551
YIQ	125.2670, 39.1530, 11.8010

Conversions

Conversions Part 2

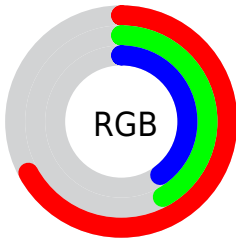
Format	Color
R_{YB}	170, 107, 102
Decimal	11168614
CIE _{Lab}	51.86, 24.55, 13.35
CIE _{LCh}	52, 27.942, 28.546
Yxy	20.0207, 0.4079, 0.3370
Android (android.graphics.Color)	4289358694 (0xFFAA6B66)
YUV	125.2670, -11.4706, 39.2308
Hunter-Lab	44.7445, 18.3693, 11.2394

Details

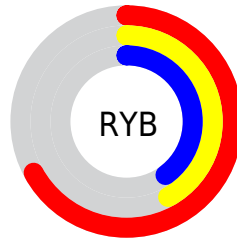
The Yxy color **20.0207, 0.4079, 0.3370** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.6305, 0.2573, 0.3206**, and the grayscale version is **20.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4271, 0.3858, 0.3363**, and **6.9468, 0.4483, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **16.7283, 0.4452, 0.3388**, and if you desaturate by 10%, it is **23.9821, 0.3765, 0.3350**.

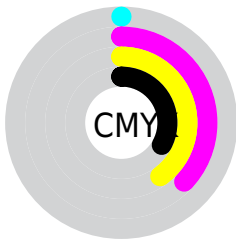
Distribution



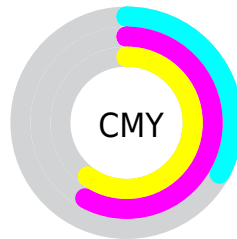
- Red (67%)
- Green (42%)
- Blue (40%)



- Red (67%)
- Yellow (42%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (40%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0207, 0.4079, 0.3370 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 20.0207, 0.4079, 0.3370 by changing the saturation by 10% instead.


 20.0207, 0.4079,
0.3370


 20.0207, 0.4079,
0.3370


252.0272, 0.3531,
0.3341


 12.4101, 0.4245,
0.3370


 43.4519, 0.3860,
0.3364


 7.0236, 0.4479,
0.3364


 60.0413, 0.3784,
0.3360

 3.4769, 0.4831,
0.3339

 80.3923, 0.3722,
0.3356

 1.3855, 0.5501,
0.3313

 104.8895, 0.3671,
0.3352

 0.2060, 0.7942,
0.2058

133.9172, 0.3628,
0.3349

 0.0000, 0.0000,
0.0000

167.8598, 0.3591,

0.3346

207.1016, 0.3559,
0.3343

■ 20.0207, 0.4079,
0.3370

■ 20.0207, 0.4079,
0.3370

■ 16.7283, 0.4452,
0.3388

■ 23.9821, 0.3765,
0.3350

■ 14.0652, 0.4877,
0.3401

■ 28.6435, 0.3507,
0.3329

■ 11.9922, 0.5331,
0.3404


■ 34.0376, 0.3297,
0.3309


■ 10.4642, 0.5763,
0.3394


■ 40.1938, 0.3127,
0.3290

■ 9.4299, 0.6112,
0.3370

■ 47.1405, 0.2989,
0.3273

 8.8219, 0.6341,
0.3347

 54.9040, 0.2876,
0.3258

 63.5099, 0.2783,
0.3244

 72.9823, 0.2707,
0.3231

 83.3447, 0.2643,
0.3220

Harmonies

Analogous

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



20.0207, 0.3721, 0.2978



20.0207, 0.4079, 0.3370



20.0207, 0.4151, 0.3774

Triad

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



20.0207, 0.4079, 0.3370



20.0207, 0.2986, 0.4054



20.0207, 0.2351, 0.2492

Complementary

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



20.0207, 0.4079, 0.3370



32.6305, 0.2573, 0.3206

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.



20.0207, 0.2195, 0.2692



20.0207, 0.4079, 0.3370



20.0207, 0.2537, 0.3607

Square

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



20.0207, 0.4079, 0.3370



20.0207, 0.3496, 0.4231



20.0207, 0.2258, 0.3090



20.0207, 0.2707, 0.2491

Rectangle

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



20.0207, 0.4079, 0.3370



20.0207, 0.4031, 0.4008



20.0207, 0.2258, 0.3090



20.0207, 0.2276, 0.2536

Sweetspot

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



20.0217, 0.4079, 0.3370



59.4758, 0.3340, 0.3313



20.7804, 0.3226, 0.2381



12.9816, 0.3365, 0.3315



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.0217, 0.4079, 0.3370



30.9713, 0.4407, 0.3386



28.4159, 0.3873, 0.3871



7.6279, 0.3284, 0.3307



6.5238, 0.6332, 0.3355



0.1856, 0.6043, 0.3583

Inverse Universe

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



32.6305, 0.2573, 0.3206



57.0271, 0.2476, 0.3185



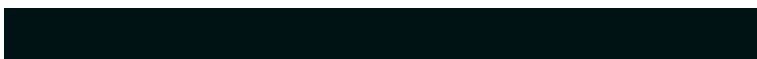
22.0832, 0.2484, 0.2623



8.4360, 0.2987, 0.3273



20.0244, 0.2184, 0.3062



0.5142, 0.2206, 0.3143

Previews

White Background



This preview shows how the Yxy color 20.0207, 0.4079, 0.3370 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 20.0207, 0.4079, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

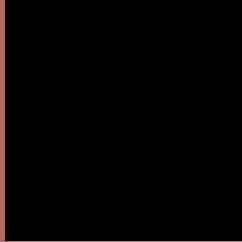
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0207, 0.4079, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 20.0207, 0.4079, 0.3370.



This preview shows how white text looks on a background with the Yxy color 20.0207, 0.4079, 0.3370.

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

20.0207, 0.4079, 0.3370

Protanopia

20.2082, 0.3351, 0.3550

Deuteranopia

20.0430, 0.3689, 0.3625



Tritanopia

19.9533, 0.3944, 0.3170

Trichromacy



Original Color

20.0207, 0.4079, 0.3370

Protanomaly

19.9477, 0.3604, 0.3484

Deuteranomaly

19.9734, 0.3818, 0.3528

Tritanomaly

20.0701, 0.3997, 0.3247

Monochromacy



Original Color

20.0207, 0.4079, 0.3370

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9039, 0.3436, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0207, 0.4079, 0.3370 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(170, 107, 102)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 102)  
}
```

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(170, 107, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 102) }
```

Border

The CSS property to change the border of an element to Yxy 20.0207, 0.4079, 0.3370 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(170, 107, 102) }
```

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

```
.border{ border-color:rgb(170, 107, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 107, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 102);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0207, 0.4079, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 102) }
```

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

```
.background{ background-color: rgb(170,  
107, 102) }
```

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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