

Converting Colors

$Y_{xy}(20.6474, 0.4143, 0.3663)$

Have a look what the booklet for
Yxy(20.6474, 0.4143, 0.3663)
contains.

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Color

Yxy(20.5478, 0.4138, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	A5715A
RGB	165, 113, 90
RGB Percent	65%, 44%, 35%
CMY	0.3529, 0.5569, 0.6470
CMYK	0.00, 0.32, 0.45, 0.35
HSL	18°, 29%, 50%
HSV	18°, 45%, 65%
XYZ	23.2695, 20.5478, 12.4164
YIQ	125.9260, 38.3750, 3.8710

Conversions

Conversions Part 2

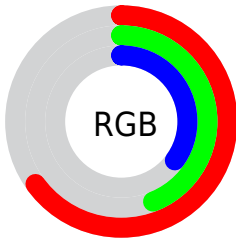
Format	Color
R_{YB}	165, 123, 90
Decimal	10842458
CIE _{Lab}	52.45, 17.74, 21.03
CIE _{LCh}	52, 27.517, 49.850
Yxy	20.5478, 0.4138, 0.3654
Android (android.graphics.Color)	4289032538 (0xFFA5715A)
YUV	125.9260, -17.7115, 34.2679
Hunter-Lab	45.3297, 12.3041, 15.4905

Details

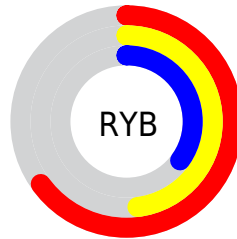
The Yxy color **20.5478, 0.4138, 0.3654** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2455, 0.2459, 0.2882**, and the grayscale version is **20.8902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3333, 0.3913, 0.3591**, and **7.3419, 0.4547, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **17.9037, 0.4462, 0.3725**, and if you desaturate by 10%, it is **23.5783, 0.3851, 0.3574**.

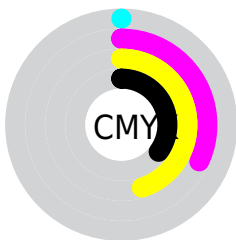
Distribution



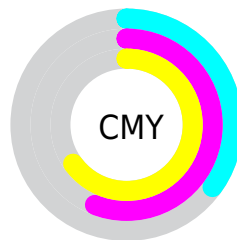
- Red (65%)
- Green (44%)
- Blue (35%)



- Red (65%)
- Yellow (48%)
- Blue (35%)



- Cyan (0%)
- Magenta (32%)
- Yellow (45%)
- Black (35%)





- Cyan (35%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5478, 0.4138, 0.3654 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 20.5478, 0.4138, 0.3654 by changing the saturation by 10% instead.


 20.5478, 0.4138,
0.3654


 20.5478, 0.4138,
0.3654


254.8654, 0.3561,
0.3469


 12.7939, 0.4309,
0.3697


 44.3337, 0.3909,
0.3588

 7.2868, 0.4546,
0.3745


 61.1345, 0.3829,
0.3563


 3.6421, 0.4892,
0.3794

 81.7197, 0.3764,
0.3541

 1.4754, 0.5828,
0.4088

 106.4737, 0.3709,
0.3522

 0.2713, 0.7180,
0.2820

 135.7808, 0.3663,
0.3506

 0.0000, 0.0000,
0.0000

170.0256, 0.3624,

0.3492

209.5923, 0.3590,
0.3480

■ 20.5478, 0.4138,
0.3654

■ 20.5478, 0.4138,
0.3654

■ 17.9037, 0.4462,
0.3725

■ 23.5783, 0.3851,
0.3574

■ 15.6269, 0.4814,
0.3776

■ 27.0074, 0.3603,
0.3490

■ 13.7010, 0.5176,
0.3796


■ 30.8502, 0.3392,
0.3408

■ 12.1071, 0.5519,
0.3774


■ 35.1204, 0.3213,
0.3330

■ 10.8236, 0.5810,
0.3707


■ 39.8307, 0.3061,
0.3258

 10.3302, 0.5931,
0.3673

 44.9936, 0.2933,
0.3191

 50.6209, 0.2825,
0.3129

 56.7239, 0.2732,
0.3073

 63.3138, 0.2653,
0.3022

Harmonies

Analogous

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



20.5478, 0.3980, 0.3254



20.5478, 0.4138, 0.3654



20.5478, 0.3999, 0.4006

Triad

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



20.5478, 0.4138, 0.3654



20.5478, 0.2665, 0.3742



20.5478, 0.2598, 0.2489

Complementary

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



20.5478, 0.4138, 0.3654



24.2455, 0.2459, 0.2882

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.



20.5478, 0.2302, 0.2546



20.5478, 0.4138, 0.3654



20.5478, 0.2335, 0.3236

Square

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



20.5478, 0.4138, 0.3654



20.5478, 0.3134, 0.4117



20.5478, 0.2210, 0.2801



20.5478, 0.3054, 0.2614

Rectangle

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



20.5478, 0.4138, 0.3654



20.5478, 0.3769, 0.4161



20.5478, 0.2210, 0.2801



20.5478, 0.2478, 0.2487

Sweetspot

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



20.5488, 0.4138, 0.3654



56.1137, 0.3369, 0.3399



17.2840, 0.3480, 0.2496



11.9412, 0.3409, 0.3415



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.5488, 0.4138, 0.3654



31.8147, 0.4481, 0.3728



30.5546, 0.3878, 0.4191



7.4236, 0.3278, 0.3359



7.8937, 0.5913, 0.3687



0.2459, 0.5247, 0.4216

Inverse Universe

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



24.2455, 0.2459, 0.2882



39.2525, 0.2325, 0.2768



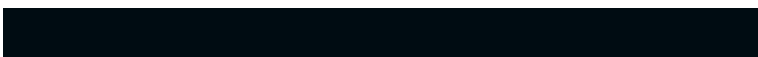
14.9980, 0.2338, 0.2183



7.6431, 0.2987, 0.3220



11.3250, 0.1966, 0.2279



0.3154, 0.2080, 0.2688

Previews

White Background



This preview shows how the Yxy color 20.5478, 0.4138, 0.3654 looks on a white background.

Color Contrast Check

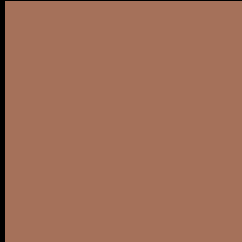
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5478, 0.4138, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

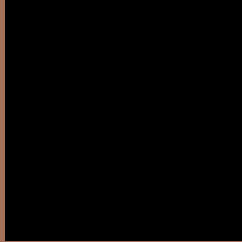
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5478, 0.4138, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 20.5478, 0.4138, 0.3654.



This preview shows how white text looks on a background with the Yxy color 20.5478, 0.4138, 0.3654.

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

20.5478, 0.4138, 0.3654

Protanopia

20.5618, 0.3590, 0.3838

Deuteranopia

20.5438, 0.3889, 0.3821



Tritanopia

20.4371, 0.3815, 0.3167

Trichromacy



Original Color

20.5478, 0.4138, 0.3654

Protanomaly

20.4848, 0.3780, 0.3779

Deuteranomaly

20.4124, 0.3990, 0.3756

Tritanomaly

20.3204, 0.3937, 0.3340

Monochromacy



Original Color

20.5478, 0.4138, 0.3654

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4424, 0.3464, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5478, 0.4138, 0.3654 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(165, 113, 90)` looks like.

```
.text, #text, p{  
    color:rgb(165, 113, 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(165, 113, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 113, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.5478, 0.4138, 0.3654 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(165, 113, 90) }
```

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

```
.border{ border-color:rgb(165, 113, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 113, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 113, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 113, 90);  
box-shadow:4px 4px 4px 4px rgb(165, 113,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5478, 0.4138, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 113, 90) }
```

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

```
.background{ background-color: rgb(165,  
113, 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](#).

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