

Converting Colors

$Y_{xy}(20.4250, 0.4035, 0.3519)$

Have a look what the booklet for
Yxy(20.4250, 0.4035, 0.3519)
contains.

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Color

Yxy(20.4695, 0.4037, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	A57062
RGB	165, 112, 98
RGB Percent	65%, 44%, 38%
CMY	0.3529, 0.5608, 0.6157
CMYK	0.00, 0.32, 0.41, 0.35
HSL	13°, 27%, 52%
HSV	13°, 41%, 65%
XYZ	23.5160, 20.4695, 14.2657
YIQ	126.2510, 36.0820, 6.8820

Conversions

Conversions Part 2

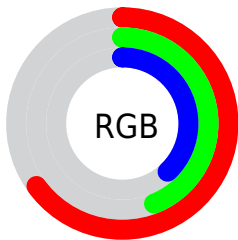
Format	Color
R_{YB}	165, 116, 98
Decimal	10842210
CIE Lab	52.36, 19.22, 16.29
CIE LCh	52, 25.193, 40.283
Yxy	20.4695, 0.4037, 0.3514
Android (android.graphics.Color)	4289032290 (0xFFA57062)
YUV	126.2510, -13.9277, 33.9829
Hunter-Lab	45.2432, 13.6032, 12.9754

Details

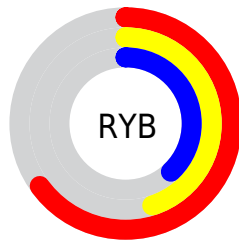
The Yxy color **20.4695, 0.4037, 0.3514** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.4449, 0.2543, 0.3048**, and the grayscale version is **20.9935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2504, 0.3830, 0.3471**, and **7.2853, 0.4419, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **17.5158, 0.4372, 0.3565**, and if you desaturate by 10%, it is **23.9069, 0.3749, 0.3457**.

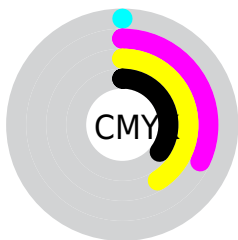
Distribution



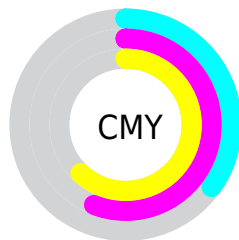
- Red (65%)
- Green (44%)
- Blue (38%)



- Red (65%)
- Yellow (45%)
- Blue (38%)



- Cyan (0%)
- Magenta (32%)
- Yellow (41%)
- Black (35%)





- Cyan (35%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4695, 0.4037, 0.3514 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 20.4695, 0.4037, 0.3514 by changing the saturation by 10% instead.


 20.4695, 0.4037,
0.3514


 20.4695, 0.4037,
0.3514


254.4456, 0.3516,
0.3403


 12.7368, 0.4194,
0.3538


 44.2029, 0.3829,
0.3475

 7.2475, 0.4414,
0.3564


 60.9725, 0.3757,
0.3460

 3.6174, 0.4741,
0.3587

 81.5230, 0.3698,
0.3447

 1.4619, 0.5428,
0.3686

 106.2391, 0.3649,
0.3436

 0.2617, 0.7328,
0.2672

135.5049, 0.3608,
0.3426

 0.0000, 0.0000,
0.0000

169.7051, 0.3573,

0.3418

209.2238, 0.3542,
0.3410

■ 20.4695, 0.4037,
0.3514

■ 20.4695, 0.4037,
0.3514

■ 17.5158, 0.4372,
0.3565

■ 23.9069, 0.3749,
0.3457

■ 15.0211, 0.4750,
0.3605

■ 27.8455, 0.3507,
0.3400

■ 12.9626, 0.5152,
0.3623

■ 32.3055, 0.3304,
0.3345

■ 11.3146, 0.5548,
0.3611

■ 37.3051, 0.3136,
0.3293

■ 10.0485, 0.5892,
0.3564

■ 42.8617, 0.2997,
0.3245

■ 9.1720, 0.6147,
0.3501

■ 48.9919, 0.2880,
0.3202

■ 55.7114, 0.2783,
0.3162

■ 63.0356, 0.2701,
0.3126

■ 70.9791, 0.2631,
0.3093

Harmonies

Analogous

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



20.4695, 0.3808, 0.3145



20.4695, 0.4037, 0.3514



20.4695, 0.3996, 0.3861

Triad

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



20.4695, 0.4037, 0.3514



20.4695, 0.2833, 0.3833



20.4695, 0.2534, 0.2548

Complementary

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



20.4695, 0.4037, 0.3514



27.4449, 0.2543, 0.3048

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.



20.4695, 0.2317, 0.2661



20.4695, 0.4037, 0.3514



20.4695, 0.2477, 0.3392

Square

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



20.4695, 0.4037, 0.3514



20.4695, 0.3285, 0.4099



20.4695, 0.2296, 0.2957



20.4695, 0.2916, 0.2611

Rectangle

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



20.4695, 0.4037, 0.3514



20.4695, 0.3830, 0.4035



20.4695, 0.2296, 0.2957



20.4695, 0.2441, 0.2565

Sweetspot

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



20.4705, 0.4037, 0.3514



56.5039, 0.3335, 0.3354



18.9883, 0.3342, 0.2487



12.1344, 0.3358, 0.3360



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.



20.4705, 0.4037, 0.3514



31.7173, 0.4347, 0.3562



29.1018, 0.3832, 0.4006



7.3148, 0.3280, 0.3338



6.9997, 0.6131, 0.3514



0.2082, 0.5518, 0.4000

Inverse Universe

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



27.4449, 0.2543, 0.3048



45.9451, 0.2429, 0.2983



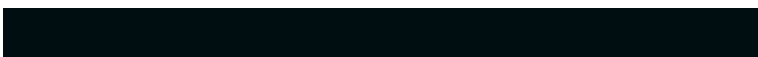
18.2932, 0.2450, 0.2446



7.7587, 0.2988, 0.3242



14.3088, 0.2060, 0.2617



0.3605, 0.2135, 0.2887

Previews

White Background



This preview shows how the Yxy color 20.4695, 0.4037, 0.3514 looks on a white background.

Color Contrast Check

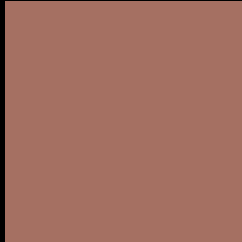
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4695, 0.4037, 0.3514 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 20.4695, 0.4037, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 20.4695, 0.4037, 0.3514.



This preview shows how white text looks on a background with the Yxy color 20.4695, 0.4037, 0.3514.

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

20.4695, 0.4037, 0.3514

Protanopia

20.5722, 0.3457, 0.3676

Deuteranopia

20.4805, 0.3775, 0.3706



Tritanopia

20.4371, 0.3815, 0.3167

Trichromacy



Original Color

20.4695, 0.4037, 0.3514

Protanomaly

20.3215, 0.3659, 0.3607

Deuteranomaly

20.4557, 0.3873, 0.3626

Tritanomaly

20.3846, 0.3895, 0.3292

Monochromacy



Original Color

20.4695, 0.4037, 0.3514

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5111, 0.3427, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4695, 0.4037, 0.3514 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, 112, 98)` looks like.

```
.text, #text, p{  
    color:rgb(165, 112, 98)  
}
```

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, 112, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 112, 98) }
```

Border

The CSS property to change the border of an element to Yxy 20.4695, 0.4037, 0.3514 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, 112, 98) }
```

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

```
.border{ border-color:rgb(165, 112, 98) }
```

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

Here you see how a box with a 4 pixel rgb(165, 112, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 112, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 112, 98);  
box-shadow:4px 4px 4px 4px rgb(165, 112,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4695, 0.4037, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 112, 98) }
```

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

```
.background{ background-color: rgb(165,  
112, 98) }
```

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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