

Converting Colors

$Y_{xy}(20.4736, 0.3742, 0.3325)$

Have a look what the booklet for
Yxy(20.4736, 0.3742, 0.3325)
contains.

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Color

Yxy(20.4736, 0.3742, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	9E7270
RGB	158, 114, 112
RGB Percent	62%, 45%, 44%
CMY	0.3804, 0.5529, 0.5609
CMYK	0.00, 0.28, 0.29, 0.38
HSL	3°, 19%, 53%
HSV	3°, 29%, 62%
XYZ	23.0413, 20.4736, 18.0599
YIQ	126.9280, 26.8660, 8.7060

Conversions

Conversions Part 2

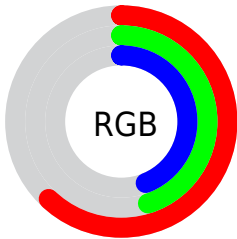
Format	Color
R _Y B	158, 114, 112
Decimal	10383984
CIE Lab	52.37, 17.07, 7.99
CIE LCh	52, 18.849, 25.078
Yxy	20.4736, 0.3742, 0.3325
Android (android.graphics.Color)	4288574064 (0xFF9E7270)
YUV	126.9280, -7.3595, 27.2501
Hunter-Lab	45.2478, 11.7130, 8.0088

Details

The Yxy color **20.4736, 0.3742, 0.3325** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.6785, 0.2713, 0.3255**, and the grayscale version is **21.2163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2489, 0.3602, 0.3316**, and **7.2699, 0.3997, 0.3340** is the 20% darker color. If you saturate the color by 10%, you get **17.0223, 0.4053, 0.3338**, and if you desaturate by 10%, it is **24.5512, 0.3487, 0.3312**.

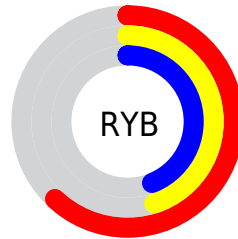
Distribution



Red (62%)

Green (45%)

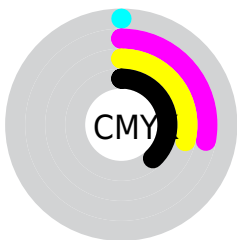
Blue (44%)



Red (62%)

Yellow (45%)

Blue (44%)

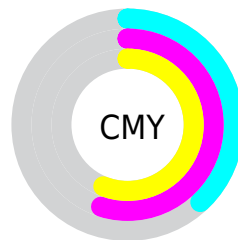


Cyan (0%)

Magenta (28%)

Yellow (29%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4736, 0.3742, 0.3325 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 20.4736, 0.3742, 0.3325 by changing the saturation by 10% instead.


 20.4736, 0.3742,
0.3325


 20.4736, 0.3742,
0.3325

254.4676, 0.3390,
0.3312


 12.7398, 0.3849,
0.3326


 44.2098, 0.3601,
0.3322


 7.2496, 0.4001,
0.3324


 60.9810, 0.3552,
0.3320

 3.6187, 0.4231,
0.3315

 81.5333, 0.3513,
0.3318

 1.4626, 0.4621,
0.3285

 106.2514, 0.3480,
0.3317

 0.2622, 0.7175,
0.2825

135.5194, 0.3452,
0.3315

 0.0000, 0.0000,
0.0000

169.7218, 0.3428,

0.3314

209.2431, 0.3408,
0.3313

■ 20.4736, 0.3742,
0.3325

■ 20.4736, 0.3742,
0.3325

■ 17.0223, 0.4053,
0.3338

■ 24.5512, 0.3487,
0.3312

■ 14.1635, 0.4426,
0.3349

■ 29.2809, 0.3281,
0.3300

■ 11.8649, 0.4853,
0.3357


■ 34.6906, 0.3114,
0.3289


■ 10.0896, 0.5312,
0.3360


■ 40.8056, 0.2979,
0.3279

■ 8.7965, 0.5753,
0.3355


■ 47.6501, 0.2869,
0.3270

 7.9383, 0.6110,
0.3341

 55.2470, 0.2779,
0.3261

 7.4519, 0.6344,
0.3330

 63.6183, 0.2705,
0.3254

 7.4202, 0.6362,
0.3330

 72.7849, 0.2643,
0.3247

 82.7672, 0.2592,
0.3241

Harmonies

Analogous

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



20.4736, 0.3490, 0.3050



20.4736, 0.3742, 0.3325



20.4736, 0.3818, 0.3606

Triad

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



20.4736, 0.3742, 0.3325



20.4736, 0.3081, 0.3810



20.4736, 0.2574, 0.2754

Complementary

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



20.4736, 0.3742, 0.3325



29.6785, 0.2713, 0.3255

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.



20.4736, 0.2481, 0.2919



20.4736, 0.3742, 0.3325



20.4736, 0.2762, 0.3540

Square

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



20.4736, 0.3742, 0.3325



20.4736, 0.3424, 0.3912



20.4736, 0.2547, 0.3205



20.4736, 0.2811, 0.2730

Rectangle

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



20.4736, 0.3742, 0.3325



20.4736, 0.3758, 0.3765



20.4736, 0.2547, 0.3205



20.4736, 0.2526, 0.2793

Sweetspot

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



20.4746, 0.3742, 0.3325



53.1305, 0.3282, 0.3300



21.2685, 0.3178, 0.2606



11.6940, 0.3308, 0.3302



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.4746, 0.3742, 0.3325



32.9473, 0.3939, 0.3333



26.1941, 0.3643, 0.3684



6.6907, 0.3283, 0.3300



5.9585, 0.6357, 0.3334



0.1187, 0.6157, 0.3494

Inverse Universe

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



29.6785, 0.2713, 0.3255



52.4557, 0.2631, 0.3246



22.8116, 0.2671, 0.2861



7.4593, 0.2988, 0.3280



19.7275, 0.2210, 0.3155



0.3665, 0.2226, 0.3212

Previews

White Background



This preview shows how the Yxy color 20.4736, 0.3742, 0.3325 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 20.4736, 0.3742, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

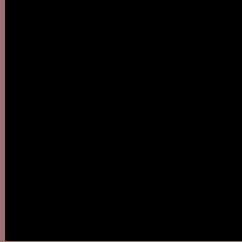
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4736, 0.3742, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 20.4736, 0.3742, 0.3325.



This preview shows how white text looks on a background with the Yxy color 20.4736, 0.3742, 0.3325.

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

20.4736, 0.3742, 0.3325

Protanopia

20.6424, 0.3255, 0.3418

Deuteranopia

20.6621, 0.3528, 0.3466



Tritanopia

20.5617, 0.3638, 0.3162

Trichromacy



Original Color

20.4736, 0.3742, 0.3325

Protanomaly

20.5111, 0.3427, 0.3379

Deuteranomaly

20.4005, 0.3605, 0.3411

Tritanomaly

20.4892, 0.3678, 0.3210

Monochromacy



Original Color

20.4736, 0.3742, 0.3325

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7275, 0.3327, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4736, 0.3742, 0.3325 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(158, 114, 112)` looks like.

```
.text, #text, p{  
    color:rgb(158, 114, 112)  
}
```

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(158, 114, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 114, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.4736, 0.3742, 0.3325 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(158, 114, 112) }
```

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

```
.border{ border-color:rgb(158, 114, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 114, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 114, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 114, 112);  
box-shadow:4px 4px 4px 4px rgb(158, 114,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4736, 0.3742, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 114, 112) }
```

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

```
.background{ background-color: rgb(158,  
114, 112) }
```

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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