

Converting Colors

$Y_{xy}(28.2193, 0.3932, 0.4074)$

Have a look what the booklet for
Yxy(28.2193, 0.3932, 0.4074)
contains.

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Color

Yxy(28.2083, 0.3932, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	A68E5B
RGB	166, 142, 91
RGB Percent	65%, 56%, 36%
CMY	0.3490, 0.4431, 0.6432
CMYK	0.00, 0.14, 0.45, 0.35
HSL	41°, 30%, 50%
HSV	41°, 45%, 65%
XYZ	27.2854, 28.2083, 13.8994
YIQ	143.3620, 30.6750, -10.7730

Conversions

Conversions Part 2

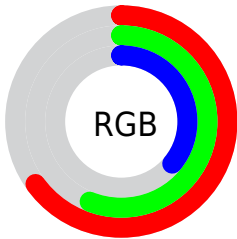
Format	Color
RYB	126, 166, 91
Decimal	10915419
CIELab	60.08, 1.92, 30.46
CIELCh	60, 30.524, 86.390
Yxy	28.2083, 0.3932, 0.4065
Android (android.graphics.Color)	4289105499 (0xFFA68E5B)
YUV	143.3620, -25.8145, 19.8535
Hunter-Lab	53.1115, -1.2429, 21.6617

Details

The Yxy color $28.2083, 0.3932, 0.4065$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.2296, 0.2372, 0.2359$, and the grayscale version is $27.7163, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9624, 0.3765, 0.3917$, and $11.2809, 0.4180, 0.4301$ is the 20% darker color. If you saturate the color by 10%, you get $26.4121, 0.4136, 0.4221$, and if you desaturate by 10%, it is $30.1457, 0.3733, 0.3895$.

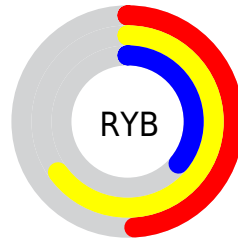
Distribution



Red (65%)

Green (56%)

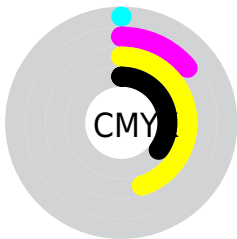
Blue (36%)



Red (49%)

Yellow (65%)

Blue (36%)

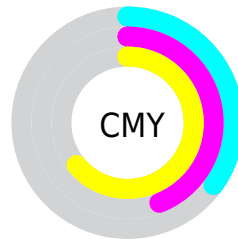


Cyan (0%)

Magenta (14%)

Yellow (45%)

Black (35%)



Cyan (35%)


Magenta (44%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2083, 0.3932, 0.4065 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 28.2083, 0.3932, 0.4065 by changing the saturation by 10% instead.


 28.2083, 0.3932,
0.4065


 28.2083, 0.3932,
0.4065


293.4609, 0.3503,
0.3656


 18.4827, 0.4044,
0.4170


 56.8168, 0.3771,
0.3913


 11.2971, 0.4190,
0.4304


 76.4686, 0.3712,
0.3857

 6.2671, 0.4380,
0.4477


 100.1979, 0.3663,
0.3810

 3.0081, 0.4735,
0.4802

 128.3891, 0.3621,
0.3770

 1.1360, 0.5000,
0.5000

161.4266, 0.3585,
0.3735

 0.0085, 0.8666,
0.1334

199.6948, 0.3554,

 0.0000, 0.0000,

0.3705

0.0000

243.5781, 0.3527,
0.3679

■ 28.2083, 0.3932,
0.4065

■ 28.2083, 0.3932,
0.4065

■ 26.4121, 0.4136,
0.4221

■ 30.1457, 0.3733,
0.3895

■ 24.7479, 0.4336,
0.4353

■ 32.2253, 0.3543,
0.3719

■ 23.2112, 0.4524,
0.4450

■ 34.4528, 0.3367,
0.3544

■ 21.7955, 0.4691,
0.4502

■ 36.8325, 0.3205,
0.3375

■ 20.4928, 0.4828,
0.4507

■ 39.3685, 0.3059,
0.3214

■ 19.8981, 0.4889,
0.4500

■ 42.0646, 0.2927,
0.3064

■ 44.9244, 0.2809,
0.2924

■ 47.9516, 0.2705,
0.2796

■ 51.1495, 0.2611,
0.2678

Harmonies

Analogous

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



28.2083, 0.4130, 0.3737



28.2083, 0.3932, 0.4065



28.2083, 0.3522, 0.4206

Triad

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



28.2083, 0.3932, 0.4065



28.2083, 0.2291, 0.3130



28.2083, 0.3167, 0.2663

Complementary

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



28.2083, 0.3932, 0.4065



17.2296, 0.2372, 0.2359

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.



28.2083, 0.2687, 0.2503



28.2083, 0.3932, 0.4065



28.2083, 0.2214, 0.2730

Square

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



28.2083, 0.3932, 0.4065



28.2083, 0.2579, 0.3635



28.2083, 0.2352, 0.2518



28.2083, 0.3673, 0.2960

Rectangle

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



28.2083, 0.3932, 0.4065



28.2083, 0.3192, 0.4141



28.2083, 0.2352, 0.2518



28.2083, 0.2996, 0.2592

Sweetspot

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



28.2096, 0.3932, 0.4065



62.9245, 0.3351, 0.3528



16.8457, 0.3897, 0.2902



13.8864, 0.3386, 0.3564



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.2096, 0.3932, 0.4065



47.9987, 0.4132, 0.4219



34.8450, 0.3653, 0.4428



8.3632, 0.3270, 0.3443



15.5184, 0.4881, 0.4506



0.4637, 0.4606, 0.4725

Inverse Universe

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



17.2296, 0.2372, 0.2359



25.6174, 0.2199, 0.2112



13.1439, 0.2422, 0.1957



7.6776, 0.2986, 0.3132



4.1912, 0.1632, 0.1075



0.1935, 0.1821, 0.1757

Previews

White Background



This preview shows how the Yxy color 28.2083, 0.3932, 0.4065 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 28.2083, 0.3932, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

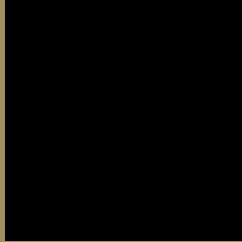
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2083, 0.3932, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 28.2083, 0.3932, 0.4065.



This preview shows how white text looks on a background with the Yxy color 28.2083, 0.3932, 0.4065.

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

28.2083, 0.3932, 0.4065

Protanopia

28.2926, 0.3810, 0.4121

Deuteranopia

28.0636, 0.4054, 0.3964



Tritanopia

28.0612, 0.3416, 0.3128

Trichromacy



Original Color

28.2083, 0.3932, 0.4065

Protanomaly

28.2963, 0.3851, 0.4096

Deuteranomaly

28.0086, 0.4012, 0.3988

Tritanomaly

28.1183, 0.3609, 0.3473

Monochromacy



Original Color

28.2083, 0.3932, 0.4065

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6795, 0.3409, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2083, 0.3932, 0.4065 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(166, 142, 91)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 91)  
}
```

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(166, 142, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 91) }
```

Border

The CSS property to change the border of an element to Yxy 28.2083, 0.3932, 0.4065 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(166, 142, 91) }
```

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

```
.border{ border-color:rgb(166, 142, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 91);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2083, 0.3932, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 91) }
```

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

```
.background{ background-color: rgb(166,  
142, 91) }
```

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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