

Converting Colors

$Yxy(40.7494, 0.3221, 0.3813)$

Have a look what the booklet for
Yxy(40.7494, 0.3221, 0.3813)
contains.

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Color

Yxy(40.8617, 0.3225, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	9CB28E
RGB	156, 178, 142
RGB Percent	61%, 70%, 56%
CMY	0.3881, 0.3020, 0.4433
CMYK	0.12, 0.00, 0.20, 0.30
HSL	97°, 19%, 63%
HSV	97°, 20%, 70%
XYZ	34.5152, 40.8617, 31.6469
YIQ	167.3180, -1.5560, -15.8600

Conversions

Conversions Part 2

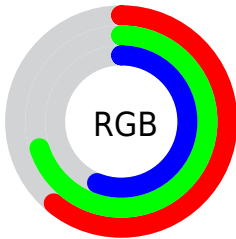
Format	Color
RYB	142, 178, 164
Decimal	10269326
CIELab	70.08, -14.31, 15.93
CIELCh	70, 21.414, 131.932
Yxy	40.8617, 0.3225, 0.3818
Android (android.graphics.Color)	4288459406 (0xFF9CB28E)
YUV	167.3180, -12.4818, -9.9259
Hunter-Lab	63.9232, -15.4848, 15.3930

Details

The Yxy color $40.8617, 0.3225, 0.3818$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $30.4380, 0.3009, 0.2775$, and the grayscale version is $38.8713, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.6800, 0.3209, 0.3714$, and $18.3830, 0.3238, 0.3975$ is the 20% darker color. If you saturate the color by 10%, you get $39.3357, 0.3269, 0.4111$, and if you desaturate by 10%, it is $42.5734, 0.3177, 0.3545$.

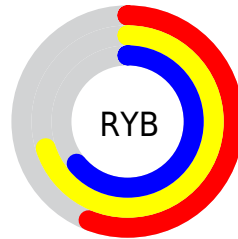
Distribution



Red (61%)

Green (70%)

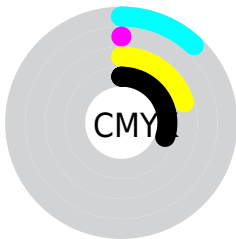
Blue (56%)



Red (56%)

Yellow (70%)

Blue (64%)

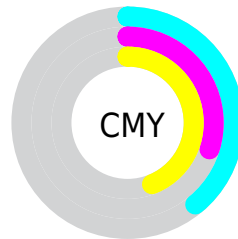


Cyan (12%)

Magenta (0%)

Yellow (20%)

Black (30%)



Cyan (39%)

Magenta (30%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8617, 0.3225, 0.3818 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 40.8617, 0.3225, 0.3818 by changing the saturation by 10% instead.


 40.8617, 0.3225,
0.3818


 40.8617, 0.3225,
0.3818


349.7423, 0.3179,
0.3541


 28.2110, 0.3235,
0.3891


 76.4739, 0.3209,
0.3714

 18.4848, 0.3248,
0.3988


 100.2042, 0.3203,
0.3676

 11.2986, 0.3263,
0.4122


 128.3966, 0.3197,
0.3644

 6.2681, 0.3279,
0.4318

161.4353, 0.3193,
0.3618

 3.0088, 0.3294,
0.4630

199.7049, 0.3189,
0.3594

 1.1363, 0.3650,
0.5831

243.5896, 0.3185,

 0.0087, 0.0000,

0.3574

1.0000

293.4739, 0.3182,
0.3557

0.0000, 0.0000,
0.0000

40.8617, 0.3225,
0.3818

40.8617, 0.3225,
0.3818

39.3357, 0.3269,
0.4111

42.5734, 0.3177,
0.3545

37.9835, 0.3306,
0.4418

44.4718, 0.3128,
0.3296

36.7999, 0.3333,
0.4728


46.5644, 0.3080,
0.3071

35.7774, 0.3346,
0.5028

48.8570, 0.3032,
0.2870


34.9078, 0.3342,
0.5300


51.3547, 0.2987,
0.2691

 34.1819, 0.3320,
0.5528

 54.0630, 0.2944,
0.2533

 33.5896, 0.3281,
0.5699

 56.2188, 0.2984,
0.2494

 33.1223, 0.3232,
0.5816

 58.0920, 0.3068,
0.2514

 60.0795, 0.3153,
0.2534

Harmonies

Analogous

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



40.8617, 0.3517, 0.3836



40.8617, 0.3225, 0.3818



40.8617, 0.2916, 0.3634

Triad

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



40.8617, 0.3225, 0.3818



40.8617, 0.2571, 0.2856



40.8617, 0.3598, 0.3210

Complementary

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



40.8617, 0.3225, 0.3818



30.4380, 0.3009, 0.2775

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.



40.8617, 0.3323, 0.2979



40.8617, 0.3225, 0.3818



40.8617, 0.2734, 0.2775

Square

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



40.8617, 0.3225, 0.3818



40.8617, 0.2549, 0.3060



40.8617, 0.3005, 0.2822



40.8617, 0.3742, 0.3470

Rectangle

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



40.8617, 0.3225, 0.3818



40.8617, 0.2742, 0.3448



40.8617, 0.3005, 0.2822



40.8617, 0.3517, 0.3127

Sweetspot

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



40.8635, 0.3225, 0.3818



78.5869, 0.3157, 0.3439



37.8208, 0.3463, 0.3594



17.3626, 0.3160, 0.3455



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.8635, 0.3225, 0.3818



72.9077, 0.3244, 0.3938



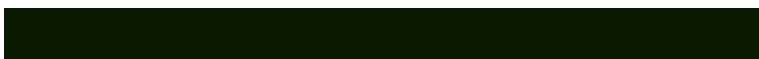
39.6509, 0.3073, 0.3782



9.6464, 0.3173, 0.3521



23.7336, 0.3240, 0.5809



0.7810, 0.3476, 0.5622

Inverse Universe

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



30.4380, 0.3009, 0.2775



50.7691, 0.2979, 0.2661



31.8737, 0.3185, 0.2843



8.4779, 0.3077, 0.3061



4.6430, 0.2266, 0.1022



0.1786, 0.2533, 0.1169

Previews

White Background



This preview shows how the Yxy color 40.8617, 0.3225, 0.3818 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 40.8617, 0.3225, 0.3818 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 ✓ Pass

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

Yxy 40.8617, 0.3225, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 40.8617, 0.3225, 0.3818.



This preview shows how white text looks on a background with the Yxy color 40.8617, 0.3225, 0.3818.

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

40.8617, 0.3225, 0.3818

Protanopia

40.7846, 0.3509, 0.3745

Deuteranopia

40.8249, 0.3620, 0.3553



Tritanopia

40.8367, 0.2937, 0.3097

Trichromacy



Original Color

40.8617, 0.3225, 0.3818

Protanomaly

40.9068, 0.3405, 0.3784

Deuteranomaly

40.7082, 0.3467, 0.3647

Tritanomaly

40.6480, 0.3037, 0.3346

Monochromacy



Original Color

40.8617, 0.3225, 0.3818

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3810, 0.3164, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8617, 0.3225, 0.3818 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(156, 178, 142)` looks like.

```
.text, #text, p{  
    color:rgb(156, 178, 142)  
}
```

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(156, 178, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 178, 142) }
```

Border

The CSS property to change the border of an element to Yxy 40.8617, 0.3225, 0.3818 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(156, 178, 142) }
```

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

```
.border{ border-color:rgb(156, 178, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 178, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 178, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 178, 142);  
box-shadow:4px 4px 4px 4px rgb(156, 178,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8617, 0.3225, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 178, 142) }
```

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

```
.background{ background-color: rgb(156,  
178, 142) }
```

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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