

Converting Colors

$Yxy(41.8422, 0.4526, 0.3997)$

Have a look what the booklet for
Yxy(41.8422, 0.4526, 0.3997)
contains.

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Color

Yxy(41.8559, 0.4525, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	E99C5B
RGB	233, 156, 91
RGB Percent	91%, 61%, 36%
CMY	0.0862, 0.3882, 0.6432
CMYK	0.00, 0.33, 0.61, 0.09
HSL	27°, 76%, 64%
HSV	27°, 61%, 91%
XYZ	47.3850, 41.8559, 15.4774
YIQ	171.6130, 66.7570, -3.8910

Conversions

Conversions Part 2

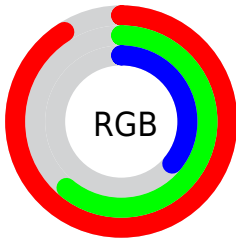
Format	Color
R _Y B	233, 211, 91
Decimal	15309915
CIE Lab	70.77, 22.45, 45.23
CIE LCh	71, 50.493, 63.602
Yxy	41.8559, 0.4525, 0.3997
Android (android.graphics.Color)	4293499995 (0xFFE99C5B)
YUV	171.6130, -39.7422, 53.8364
Hunter-Lab	64.6961, 17.5195, 31.1033

Details

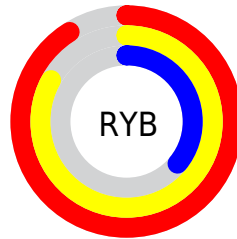
The Yxy color **41.8559, 0.4525, 0.3997** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.1182, 0.2180, 0.2384**, and the grayscale version is **41.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8317, 0.3968, 0.3987**, and **18.9520, 0.4891, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **37.4938, 0.4822, 0.4061**, and if you desaturate by 10%, it is **46.7883, 0.4234, 0.3901**.

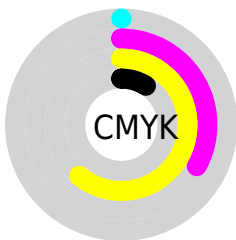
Distribution



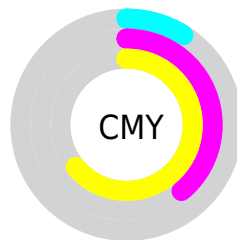
- Red (91%)
- Green (61%)
- Blue (36%)



- Red (91%)
- Yellow (83%)
- Blue (36%)



- Cyan (0%)
- Magenta (33%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (39%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8559, 0.4525, 0.3997 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 41.8559, 0.4525, 0.3997 by changing the saturation by 10% instead.


 41.8559, 0.4525,
0.3997


 41.8559, 0.4525,
0.3997

353.8852, 0.3827,
0.3691

 28.9885, 0.4689,
0.4052


 77.9815, 0.4277,
0.3900


 19.0721, 0.4891,
0.4108


 102.0084, 0.4182,
0.3860

 11.7224, 0.5140,
0.4156


 130.5240, 0.4100,
0.3823

 6.5549, 0.5463,
0.4187

 163.9126, 0.4030,
0.3791

 3.1854, 0.5858,
0.4142

202.5587, 0.3970,
0.3762

 1.2293, 0.6183,
0.3817

246.8465, 0.3916,

 0.0854, 0.8805,

0.3736

0.1195

297.1606, 0.3869,
0.3712

■ 0.0000, 0.0000,
0.0000

■ 41.8559, 0.4525,
0.3997

■ 41.8559, 0.4525,
0.3997

■ 37.4938, 0.4822,
0.4061

■ 46.7883, 0.4234,
0.3901

■ 33.6701, 0.5108,
0.4080

■ 52.3079, 0.3963,
0.3786

■ 30.3587, 0.5361,
0.4045

■ 58.4386, 0.3717,
0.3662

■ 27.7694, 0.5554,
0.3972

■ 65.2007, 0.3498,
0.3537

■ 72.6134, 0.3307,
0.3416

■ 80.6953, 0.3142,
0.3301

■ 89.4637, 0.2998,
0.3193

■ 96.0665, 0.2994,
0.3290

Harmonies

Analogous

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



41.8559, 0.4521, 0.3455



41.8559, 0.4525, 0.3997



41.8559, 0.4129, 0.4456

Triad

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



41.8559, 0.4525, 0.3997



41.8559, 0.2219, 0.3603



41.8559, 0.2640, 0.2238

Complementary

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



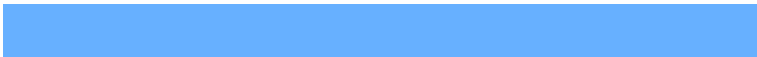
41.8559, 0.4525, 0.3997



36.1182, 0.2180, 0.2384

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.



41.8559, 0.2130, 0.2185



41.8559, 0.4525, 0.3997



41.8559, 0.1907, 0.2870

Square

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



41.8559, 0.4525, 0.3997



41.8559, 0.2790, 0.4321



41.8559, 0.1882, 0.2384



41.8559, 0.3351, 0.2503

Rectangle

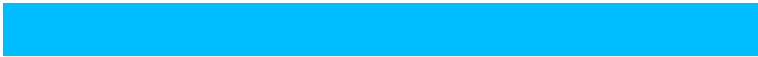
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8559, 0.4525, 0.3997



41.8559, 0.3719, 0.4622



41.8559, 0.1882, 0.2384



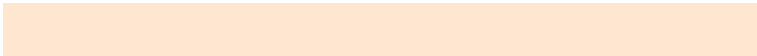
41.8559, 0.2443, 0.2195

Sweetspot

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



41.8580, 0.4525, 0.3997



82.5224, 0.3441, 0.3502



27.6763, 0.3948, 0.2454



17.1121, 0.3500, 0.3538



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.8580, 0.4525, 0.3997



44.8158, 0.4893, 0.4070



72.4286, 0.4026, 0.4653



16.1899, 0.3281, 0.3398



15.9959, 0.5528, 0.3992



1.4464, 0.5297, 0.4176

Inverse Universe

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



36.1182, 0.2180, 0.2384



37.1539, 0.2026, 0.2161



16.8613, 0.1960, 0.1412



15.9025, 0.2981, 0.3179



12.1080, 0.1812, 0.1724



1.1428, 0.1877, 0.1958

Previews

White Background



This preview shows how the Yxy color 41.8559, 0.4525, 0.3997 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 41.8559, 0.4525, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

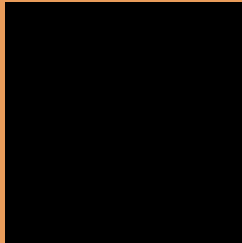
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8559, 0.4525, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 41.8559, 0.4525, 0.3997.



This preview shows how white text looks on a background with the Yxy color 41.8559, 0.4525, 0.3997.

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

41.8559, 0.4525, 0.3997

Protanopia

42.2115, 0.3941, 0.4290

Deuteranopia

41.7777, 0.4281, 0.4189



Tritanopia

41.8602, 0.3945, 0.3169

Trichromacy



Original Color

41.8559, 0.4525, 0.3997

Protanomaly

41.5855, 0.4150, 0.4175

Deuteranomaly

41.7945, 0.4363, 0.4118

Tritanomaly

41.6873, 0.4177, 0.3485

Monochromacy



Original Color

41.8559, 0.4525, 0.3997

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7249, 0.3606, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8559, 0.4525, 0.3997 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(233, 156, 91)` looks like.

```
.text, #text, p{  
    color:rgb(233, 156, 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(233, 156, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 156, 91) }
```

Border

The CSS property to change the border of an element to Yxy 41.8559, 0.4525, 0.3997 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(233, 156, 91) }
```

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

```
.border{ border-color:rgb(233, 156, 91) }
```

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

Here you see how a box with a 4 pixel rgb(233, 156, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 156, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 156, 91);  
box-shadow:4px 4px 4px 4px rgb(233, 156,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8559, 0.4525, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 156, 91) }
```

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

```
.background{ background-color: rgb(233,  
156, 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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