

Converting Colors

$Y_{xy}(40.2625, 0.4775, 0.4105)$

Have a look what the booklet for
Yxy(40.2625, 0.4775, 0.4105)
contains.

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Color

Yxy(40.2469, 0.4782, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	ED9645
RGB	237, 150, 69
RGB Percent	93%, 59%, 27%
CMY	0.0707, 0.4117, 0.7295
CMYK	0.00, 0.37, 0.71, 0.07
HSL	29°, 82%, 60%
HSV	29°, 71%, 93%
XYZ	46.8959, 40.2469, 10.9247
YIQ	166.7790, 77.8530, -6.7470

Conversions

Conversions Part 2

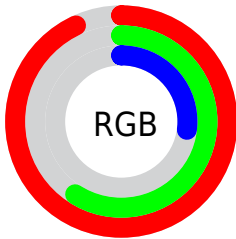
Format	Color
R _Y B	237, 225, 69
Decimal	15570501
CIE Lab	69.65, 25.94, 54.73
CIE LCh	70, 60.563, 64.644
Yxy	40.2469, 0.4782, 0.4104
Android (android.graphics.Color)	4293760581 (0xFFED9645)
YUV	166.7790, -48.2050, 61.5838
Hunter-Lab	63.4404, 20.9284, 34.1983

Details

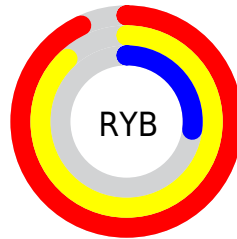
The Yxy color **40.2469, 0.4782, 0.4104** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **31.1279, 0.2038, 0.2143**, and the grayscale version is **38.7422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8262, 0.4158, 0.4129**, and **18.1855, 0.5175, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **36.2989, 0.5055, 0.4129**, and if you desaturate by 10%, it is **44.7261, 0.4496, 0.4034**.

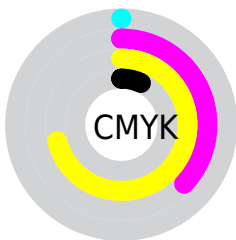
Distribution



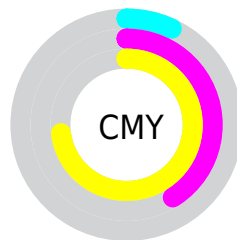
- Red (93%)
- Green (59%)
- Blue (27%)



- Red (93%)
- Yellow (88%)
- Blue (27%)



- Cyan (0%)
- Magenta (37%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (41%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2469, 0.4782, 0.4104 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 40.2469, 0.4782, 0.4104 by changing the saturation by 10% instead.


 40.2469, 0.4782,
0.4104


 40.2469, 0.4782,
0.4104


347.1631, 0.3968,
0.3773

 27.7311, 0.4965,
0.4152


 75.5393, 0.4498,
0.4008


 18.1231, 0.5181,
0.4190


 99.0848, 0.4387,
0.3964

 11.0384, 0.5435,
0.4202


 127.0755, 0.4292,
0.3924

 6.0927, 0.5795,
0.4205

 159.8960, 0.4209,
0.3888

 2.9015, 0.6028,
0.3972

 197.9306, 0.4137,
0.3855

 1.0805, 0.6414,
0.3586

241.5637, 0.4074,

 0.0000, 1.0000,

0.3825

0.0000

291.1798, 0.4018,
0.3798

■ 0.0000, 0.0000,
0.0000

■ 40.2469, 0.4782,
0.4104

■ 40.2469, 0.4782,
0.4104

■ 36.2989, 0.5055,
0.4129

■ 44.7261, 0.4496,
0.4034

■ 32.8484, 0.5297,
0.4099


■ 49.7549, 0.4215,
0.3933


■ 30.1055, 0.5482,
0.4029


■ 55.3576, 0.3951,
0.3811


■ 61.5552, 0.3710,
0.3681

■ 68.3670, 0.3495,
0.3550

 75.8117, 0.3306,
0.3422

 83.9069, 0.3141,
0.3300

 92.4380, 0.3018,
0.3222

 96.7379, 0.3017,
0.3290

Harmonies

Analogous

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



40.2469, 0.4824, 0.3471



40.2469, 0.4782, 0.4104



40.2469, 0.4271, 0.4677

Triad

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



40.2469, 0.4782, 0.4104



40.2469, 0.2018, 0.3627



40.2469, 0.2562, 0.2063

Complementary

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



40.2469, 0.4782, 0.4104



31.1279, 0.2038, 0.2143

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.



40.2469, 0.1965, 0.1987



40.2469, 0.4782, 0.4104



40.2469, 0.1682, 0.2734

Square

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



40.2469, 0.4782, 0.4104



40.2469, 0.2673, 0.4551



40.2469, 0.1672, 0.2189



40.2469, 0.3419, 0.2376

Rectangle

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



40.2469, 0.4782, 0.4104



40.2469, 0.3772, 0.4909



40.2469, 0.1672, 0.2189



40.2469, 0.2330, 0.2010

Sweetspot

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



40.2490, 0.4782, 0.4104



80.5927, 0.3499, 0.3552



24.7412, 0.4196, 0.2400



16.7577, 0.3556, 0.3588



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.



40.2490, 0.4782, 0.4104



40.9930, 0.5168, 0.4122



75.7824, 0.4111, 0.4818



16.2534, 0.3281, 0.3404



16.7027, 0.5456, 0.4050



1.5034, 0.5236, 0.4225

Inverse Universe

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



31.1279, 0.2038, 0.2143



29.5865, 0.1886, 0.1871



12.3534, 0.1774, 0.1084



15.8385, 0.2981, 0.3173



11.2907, 0.1789, 0.1639



1.0792, 0.1857, 0.1883

Previews

White Background



This preview shows how the Yxy color 40.2469, 0.4782, 0.4104 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 40.2469, 0.4782, 0.4104 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 40.2469, 0.4782, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 40.2469, 0.4782, 0.4104.



This preview shows how white text looks on a background with the Yxy color 40.2469, 0.4782, 0.4104.

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

40.2469, 0.4782, 0.4104

Protanopia

40.4526, 0.4100, 0.4505

Deuteranopia

40.2311, 0.4460, 0.4371



Tritanopia

40.1940, 0.4088, 0.3171

Trichromacy



Original Color

40.2469, 0.4782, 0.4104

Protanomaly

39.7972, 0.4347, 0.4352

Deuteranomaly

40.2311, 0.4576, 0.4276

Tritanomaly

39.8769, 0.4381, 0.3535

Monochromacy



Original Color

40.2469, 0.4782, 0.4104

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.3349, 0.3718, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2469, 0.4782, 0.4104 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(237, 150, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 69)  
}
```

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(237, 150, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 69) }
```

Border

The CSS property to change the border of an element to Yxy 40.2469, 0.4782, 0.4104 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(237, 150, 69) }
```

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

```
.border{ border-color:rgb(237, 150, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 150, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2469, 0.4782, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 69) }
```

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

```
.background{ background-color: rgb(237,  
150, 69) }
```

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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