

Converting Colors

$Y_{xy}(42.7642, 0.4995, 0.4234)$

Have a look what the booklet for
Yxy(42.7642, 0.4995, 0.4234)
contains.

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Color

Yxy(42.9061, 0.4990, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	F8992A
RGB	248, 153, 42
RGB Percent	97%, 60%, 16%
CMY	0.0275, 0.4000, 0.8350
CMYK	0.00, 0.38, 0.83, 0.03
HSL	32°, 94%, 57%
HSV	32°, 83%, 97%
XYZ	50.5195, 42.9061, 7.8158
YIQ	168.7510, 92.2510, -14.3810

Conversions

Conversions Part 2

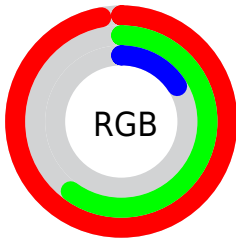
Format	Color
R _Y B	218, 248, 42
Decimal	16292138
CIE Lab	71.49, 27.90, 67.73
CIE LCh	71, 73.250, 67.609
Yxy	42.9061, 0.4990, 0.4238
Android (android.graphics.Color)	4294482218 (0xFFFF8992A)
YUV	168.7510, -62.4882, 69.5014
Hunter-Lab	65.5027, 23.0396, 38.7774

Details

The Yxy color **42.9061, 0.4990, 0.4238** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.1768, 0.1861, 0.1745**, and the grayscale version is **39.8324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2536, 0.4277, 0.4358**, and **19.6216, 0.5273, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **39.2149, 0.5196, 0.4208**, and if you desaturate by 10%, it is **47.0704, 0.4750, 0.4213**.

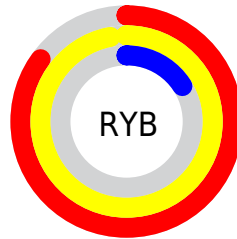
Distribution



Red (97%)

Green (60%)

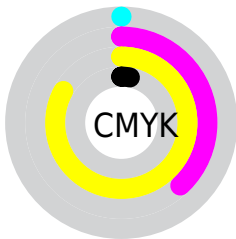
Blue (16%)



Red (85%)

Yellow (97%)

Blue (16%)

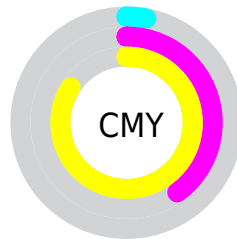


Cyan (0%)

Magenta (38%)

Yellow (83%)

Black (3%)



Cyan (3%)


Magenta (40%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9061, 0.4990, 0.4238 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 42.9061, 0.4990, 0.4238 by changing the saturation by 10% instead.


 42.9061, 0.4990,
0.4238

 42.9061, 0.4990,
0.4238


358.2255, 0.4114,
0.3887


 29.8114, 0.5168,
0.4274


 79.5691, 0.4698,
0.4148


 19.6955, 0.5368,
0.4291

 103.9063, 0.4580,
0.4102

 12.1739, 0.5616,
0.4290


 132.7598, 0.4477,
0.4059

 6.8622, 0.5824,
0.4176

 166.5140, 0.4386,
0.4019

 3.3761, 0.6052,
0.3948

 205.5532, 0.4306,
0.3982

 1.3311, 0.6419,
0.3581

 250.2620, 0.4234,

 0.1651, 0.8354,

0.3948

0.1646

301.0246, 0.4171,
0.3916

■ 0.0000, 0.0000,
0.0000

■ 42.9061, 0.4990,
0.4238

■ 42.9061, 0.4990,
0.4238

■ 39.2149, 0.5196,
0.4208

■ 47.0704, 0.4750,
0.4213


■ 36.8960, 0.5318,
0.4159


■ 51.7284, 0.4493,
0.4140


■ 56.9060, 0.4232,
0.4032


■ 62.6247, 0.3980,
0.3901

■ 68.9043, 0.3746,
0.3757

 75.7632, 0.3533,
0.3611

 83.2191, 0.3342,
0.3467

 91.2883, 0.3174,
0.3330

 98.6949, 0.3084,
0.3290

Harmonies

Analogous

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



42.9061, 0.5142, 0.3522



42.9061, 0.4990, 0.4238



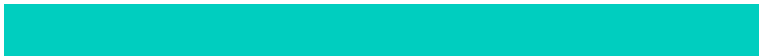
42.9061, 0.4328, 0.4924

Triad

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



42.9061, 0.4990, 0.4238



42.9061, 0.1779, 0.3555



42.9061, 0.2548, 0.1915

Complementary

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



42.9061, 0.4990, 0.4238



25.1768, 0.1861, 0.1745

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.



42.9061, 0.1843, 0.1797



42.9061, 0.4990, 0.4238



42.9061, 0.1458, 0.2533

Square

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



42.9061, 0.4990, 0.4238



42.9061, 0.2482, 0.4730



42.9061, 0.1489, 0.1973



42.9061, 0.3568, 0.2287

Rectangle

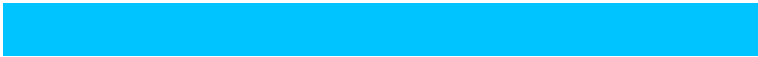
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.9061, 0.4990, 0.4238



42.9061, 0.3735, 0.5215



42.9061, 0.1489, 0.1973



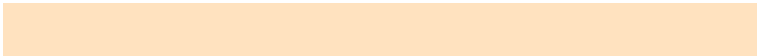
42.9061, 0.2272, 0.1846

Sweetspot

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



42.9083, 0.4990, 0.4238



79.2054, 0.3574, 0.3640



23.4557, 0.4700, 0.2498



16.3970, 0.3648, 0.3692



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.



42.9083, 0.4990, 0.4238



39.2597, 0.5320, 0.4158



86.0203, 0.4101, 0.5018



18.7743, 0.3280, 0.3418



20.2168, 0.5296, 0.4177



2.0846, 0.5128, 0.4310

Inverse Universe

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



25.1768, 0.1861, 0.1745



20.0874, 0.1727, 0.1417



9.0891, 0.1618, 0.0772



17.9624, 0.2979, 0.3159



10.4837, 0.1736, 0.1448



1.1805, 0.1798, 0.1674

Previews

White Background



This preview shows how the Yxy color 42.9061, 0.4990, 0.4238 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 42.9061, 0.4990, 0.4238 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 42.9061, 0.4990, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 42.9061, 0.4990, 0.4238.



This preview shows how white text looks on a background with the Yxy color 42.9061, 0.4990, 0.4238.

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

42.9061, 0.4990, 0.4238

Protanopia

43.1344, 0.4282, 0.4725

Deuteranopia

42.7659, 0.4652, 0.4547



Tritanopia

43.0157, 0.4183, 0.3188

Trichromacy



Original Color

42.9061, 0.4990, 0.4238

Protanomaly

42.8015, 0.4545, 0.4543

Deuteranomaly

42.6186, 0.4782, 0.4426

Tritanomaly

42.7551, 0.4563, 0.3643

Monochromacy



Original Color

42.9061, 0.4990, 0.4238

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6302, 0.3847, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9061, 0.4990, 0.4238 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(248, 153, 42)` looks like.

```
.text, #text, p{  
    color:rgb(248, 153, 42)  
}
```

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(248, 153, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 153, 42) }
```

Border

The CSS property to change the border of an element to Yxy 42.9061, 0.4990, 0.4238 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(248, 153, 42) }
```

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

```
.border{ border-color:rgb(248, 153, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 153, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 153, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 153, 42);  
box-shadow:4px 4px 4px 4px rgb(248, 153,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9061, 0.4990, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 153, 42) }
```

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

```
.background{ background-color: rgb(248,  
153, 42) }
```

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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