

Converting Colors

$Y_{xy}(45.7549, 0.5290, 0.4113)$

Have a look what the booklet for
Yxy(45.7549, 0.5290, 0.4113)
contains.

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Color

Yxy(42.1976, 0.5165, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	FF9319
RGB	255, 147, 25
RGB Percent	100%, 58%, 10%
CMY	0.0001, 0.4235, 0.9018
CMYK	0.00, 0.42, 0.90, 0.00
HSL	32°, 100%, 55%
HSV	32°, 90%, 100%
XYZ	51.8436, 42.1976, 6.3337
YIQ	165.3840, 103.5300, -15.0460

Conversions

Conversions Part 2

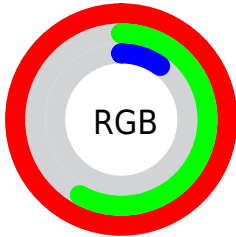
Format	Color
R _Y B	229, 255, 25
Decimal	16749337
CIE Lab	71.01, 33.50, 72.52
CIE LCh	71, 79.882, 65.207
Yxy	42.1976, 0.5165, 0.4204
Android (android.graphics.Color)	4294939417 (0xFFFF9319)
YUV	165.3840, -69.2093, 78.5932
Hunter-Lab	64.9597, 28.7795, 39.6909

Details

The Yxy color **42.1976, 0.5165, 0.4204** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **24.1980, 0.1802, 0.1625**, and the grayscale version is **38.1269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1729, 0.4385, 0.4395**, and **19.2608, 0.5418, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **38.6585, 0.5345, 0.4138**, and if you desaturate by 10%, it is **46.2839, 0.4944, 0.4221**.

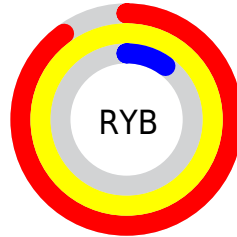
Distribution



Red (100%)

Green (58%)

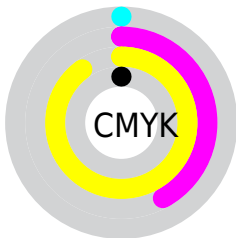
Blue (10%)



Red (90%)

Yellow (100%)

Blue (10%)

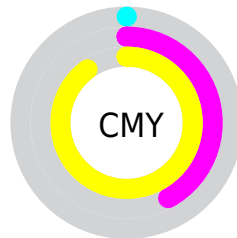


Cyan (0%)

Magenta (42%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1976, 0.5165, 0.4204 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 42.1976, 0.5165, 0.4204 by changing the saturation by 10% instead.


 42.1976, 0.5165,
0.4204


 42.1976, 0.5165,
0.4204


355.3014, 0.4217,
0.3901

 29.2560, 0.5351,
0.4219


 78.4986, 0.4854,
0.4138


 19.2746, 0.5557,
0.4207


 102.6268, 0.4726,
0.4100


 11.8689, 0.5824,
0.4176


 131.2528, 0.4614,
0.4062

 6.6544, 0.6007,
0.3993

 164.7607, 0.4515,
0.4026

 3.2470, 0.6274,
0.3726

 203.5352, 0.4428,
0.3991

 1.2620, 0.6699,
0.3301

 247.9606, 0.4350,

 0.1115, 0.8926,

0.3959

0.1074

298.4212, 0.4280,
0.3929

■ 0.0000, 0.0000,
0.0000

■ 42.1976, 0.5165,
0.4204

■ 42.1976, 0.5165,
0.4204

■ 38.6585, 0.5345,
0.4138

■ 46.2839, 0.4944,
0.4221

■ 50.8895, 0.4694,
0.4184

■ 56.0452, 0.4429,
0.4101

■ 61.7761, 0.4167,
0.3987

■ 68.1052, 0.3916,
0.3853

75.0538, 0.3686,
0.3710

82.6419, 0.3478,
0.3566

90.8884, 0.3293,
0.3425

99.8110, 0.3130,
0.3292

Harmonies

Analogous

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



42.1976, 0.5303, 0.3448



42.1976, 0.5165, 0.4204



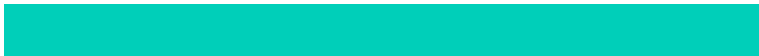
42.1976, 0.4461, 0.4977

Triad

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



42.1976, 0.5165, 0.4204



42.1976, 0.1709, 0.3677



42.1976, 0.2418, 0.1797

Complementary

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



42.1976, 0.5165, 0.4204



24.1980, 0.1802, 0.1625

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.



42.1976, 0.1704, 0.1692



42.1976, 0.5165, 0.4204



42.1976, 0.1350, 0.2521

Square

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



42.1976, 0.5165, 0.4204



42.1976, 0.2483, 0.4978



42.1976, 0.1362, 0.1897



42.1976, 0.3505, 0.2170

Rectangle

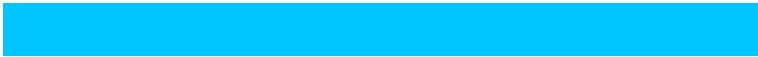
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1976, 0.5165, 0.4204



42.1976, 0.3829, 0.5359



42.1976, 0.1362, 0.1897



42.1976, 0.2135, 0.1731

Sweetspot

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



42.1998, 0.5165, 0.4204



77.4136, 0.3617, 0.3664



23.7350, 0.4832, 0.2491



16.0317, 0.3691, 0.3713



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.



42.1998, 0.5165, 0.4204



38.6660, 0.5345, 0.4138



92.1125, 0.4150, 0.5045



19.5826, 0.3281, 0.3416



20.5057, 0.5321, 0.4157



2.2154, 0.5157, 0.4287

Inverse Universe

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



24.1980, 0.1802, 0.1625



20.5858, 0.1734, 0.1444



8.1745, 0.1546, 0.0669



18.7840, 0.2979, 0.3161



11.0496, 0.1743, 0.1473



1.2923, 0.1802, 0.1686

Previews

White Background



This preview shows how the Yxy color 42.1976, 0.5165, 0.4204 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 42.1976, 0.5165, 0.4204 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 42.1976, 0.5165, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 42.1976, 0.5165, 0.4204.



This preview shows how white text looks on a background with the Yxy color 42.1976, 0.5165, 0.4204.

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

42.1976, 0.5165, 0.4204

Protanopia

42.5055, 0.4336, 0.4803

Deuteranopia

42.1259, 0.4724, 0.4631



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.1976, 0.5165, 0.4204

Protanomaly

41.7557, 0.4643, 0.4583

Deuteranomaly

41.7971, 0.4903, 0.4466

Tritanomaly

41.9044, 0.4705, 0.3681

Monochromacy



Original Color

42.1976, 0.5165, 0.4204

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.6744, 0.3959, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1976, 0.5165, 0.4204 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(255, 147, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 25)  
}
```

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(255, 147, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 25) }
```

Border

The CSS property to change the border of an element to Yxy 42.1976, 0.5165, 0.4204 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(255, 147, 25) }
```

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

```
.border{ border-color:rgb(255, 147, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1976, 0.5165, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 25) }
```

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

```
.background{ background-color: rgb(255,  
147, 25) }
```

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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