

Converting Colors

$Y_{xy}(41.2676, 0.5241, 0.4221)$

Have a look what the booklet for
Yxy(41.2676, 0.5241, 0.4221)
contains.

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Color

Yxy(41.2065, 0.5243, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	FF9000
RGB	255, 144, 0
RGB Percent	100%, 56%, 0%
CMY	0.0001, 0.4352, 1.0000
CMYK	0.00, 0.44, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.2078, 41.2065, 5.2546
YIQ	160.7730, 112.3800, -21.2520

Conversions

Conversions Part 2

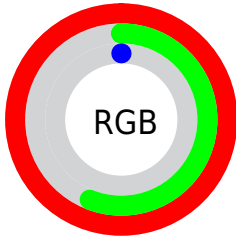
Format	Color
R_{YB}	197, 255, 0
Decimal	16748544
CIE _{Lab}	70.32, 34.78, 76.01
CIE _{LCh}	70, 83.592, 65.413
Yxy	41.2065, 0.5243, 0.4219
Android (android.graphics.Color)	4294938624 (0xFFFF9000)
YUV	160.7730, -79.2611, 82.6371
Hunter-Lab	64.1923, 30.0574, 40.0813

Details

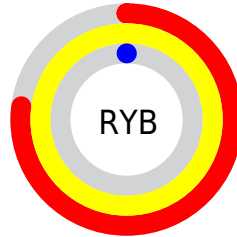
The Yxy color **41.2065, 0.5243, 0.4219** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **18.5804, 0.1704, 0.1334**, and the grayscale version is **35.8685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6287, 0.4459, 0.4435**, and **18.7307, 0.5464, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **41.2076, 0.5243, 0.4219**, and if you desaturate by 10%, it is **44.8099, 0.5074, 0.4277**.

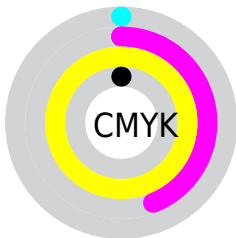
Distribution



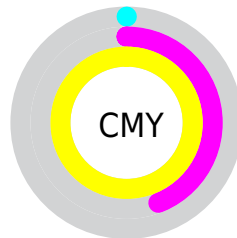
- Red (100%)
- Green (56%)
- Blue (0%)



- Red (77%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2065, 0.5243, 0.4219 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 41.2065, 0.5243, 0.4219 by changing the saturation by 10% instead.


 41.2065, 0.5243,
0.4219


 41.2065, 0.5243,
0.4219

351.1829, 0.4269,
0.3927


 28.4805, 0.5429,
0.4225


 76.9973, 0.4928,
0.4163


 18.6882, 0.5632,
0.4199


 100.8308, 0.4797,
0.4127

 11.4452, 0.5868,
0.4132


 129.1356, 0.4681,
0.4090


 6.3671, 0.6061,
0.3939

 162.2961, 0.4579,
0.4054

 3.0696, 0.6344,
0.3656

 200.6967, 0.4488,
0.4019


 1.1682, 0.6795,
0.3205


 244.7218, 0.4407,


 0.0355, 0.9614,

0.3987


0.0386


 294.7557, 0.4334,
0.3956


 0.0000, 0.0000,
0.0000


 41.2065, 0.5243,
0.4219


 41.2065, 0.5243,
0.4219

 41.2076, 0.5243,
0.4219

 44.8099, 0.5074,
0.4277

 48.8449, 0.4869,
0.4285

 53.3513, 0.4636,
0.4240

 58.3552, 0.4387,
0.4149

 63.8793, 0.4137,
0.4027

69.9447, 0.3897,
0.3885

76.5704, 0.3674,
0.3733

83.7744, 0.3471,
0.3580

91.5736, 0.3288,
0.3431

Harmonies

Analogous

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



41.2065, 0.5412, 0.3439



41.2065, 0.5243, 0.4219



41.2065, 0.4491, 0.5039

Triad

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



41.2065, 0.5243, 0.4219



41.2065, 0.1637, 0.3682



41.2065, 0.2388, 0.1741

Complementary

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



41.2065, 0.5243, 0.4219



18.5804, 0.1704, 0.1334

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.



41.2065, 0.1649, 0.1629



41.2065, 0.5243, 0.4219



41.2065, 0.1278, 0.2467

Square

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



41.2065, 0.5243, 0.4219



41.2065, 0.2432, 0.5079



41.2065, 0.1296, 0.1831



41.2065, 0.3529, 0.2126

Rectangle

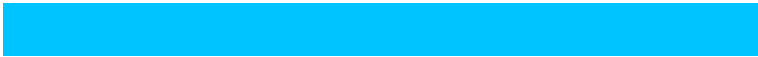
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2065, 0.5243, 0.4219



41.2065, 0.3829, 0.5460



41.2065, 0.1296, 0.1831



41.2065, 0.2094, 0.1672

Sweetspot

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



41.2087, 0.5243, 0.4219



76.5823, 0.3674, 0.3733



22.4882, 0.5216, 0.2647



15.7789, 0.3766, 0.3798



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.



41.2087, 0.5243, 0.4219



41.2151, 0.5243, 0.4219



90.4248, 0.4105, 0.5123



19.6897, 0.3280, 0.3424



21.8384, 0.5221, 0.4236



2.3438, 0.5071, 0.4355

Inverse Universe

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



18.5804, 0.1704, 0.1334



18.5827, 0.1704, 0.1334



7.3026, 0.1510, 0.0606



18.6782, 0.2979, 0.3152



9.9942, 0.1713, 0.1365



1.1857, 0.1773, 0.1584

Previews

White Background



This preview shows how the Yxy color 41.2065, 0.5243, 0.4219 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 41.2065, 0.5243, 0.4219 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 41.2065, 0.5243, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 41.2065, 0.5243, 0.4219.



This preview shows how white text looks on a background with the Yxy color 41.2065, 0.5243, 0.4219.

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

41.2065, 0.5243, 0.4219

Protanopia

41.4070, 0.4369, 0.4848

Deuteranopia

41.4563, 0.4718, 0.4636



Tritanopia

41.2266, 0.4298, 0.3200

Trichromacy



Original Color

41.2065, 0.5243, 0.4219

Protanomaly

40.4686, 0.4705, 0.4609

Deuteranomaly

41.1029, 0.4910, 0.4483

Tritanomaly

40.8065, 0.4831, 0.3749

Monochromacy



Original Color

41.2065, 0.5243, 0.4219

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.0041, 0.4060, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2065, 0.5243, 0.4219 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 0)  
}
```

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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.2065, 0.5243, 0.4219 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, 144, 0) }
```

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

```
.border{ border-color:rgb(255, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2065, 0.5243, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 0) }
```

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

```
.background{ background-color: rgb(255,  
144, 0) }
```

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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