

Converting Colors

$Y_{xy}(41.7272, 0.5224, 0.4234)$

Have a look what the booklet for
Yxy(41.7272, 0.5224, 0.4234)
contains.

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Color

Yxy(41.8178, 0.5220, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	FF9200
RGB	255, 146, 0
RGB Percent	100%, 57%, 0%
CMY	0.0000, 0.4274, 0.9995
CMYK	0.00, 0.43, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.5197, 41.8178, 5.3592
YIQ	161.9470, 111.8300, -22.2980

Conversions

Conversions Part 2

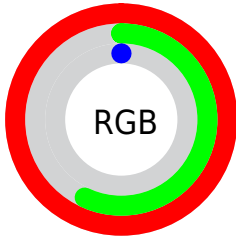
Format	Color
R_{YB}	190, 255, 0
Decimal	16749056
CIE _{Lab}	70.75, 33.77, 76.27
CIE _{LCh}	71, 83.409, 66.114
Yxy	41.8178, 0.5220, 0.4237
Android (android.graphics.Color)	4294939136 (0xFFFF9200)
YUV	161.9470, -79.8399, 81.6075
Hunter-Lab	64.6667, 29.0435, 40.3530

Details

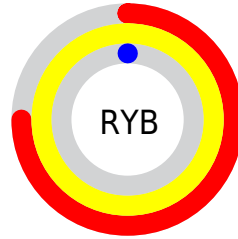
The Yxy color **41.8178, 0.5220, 0.4237** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **18.1815, 0.1698, 0.1312**, and the grayscale version is **36.4549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5551, 0.4444, 0.4452**, and **19.0818, 0.5433, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **41.8044, 0.5221, 0.4237**, and if you desaturate by 10%, it is **45.4166, 0.5054, 0.4293**.

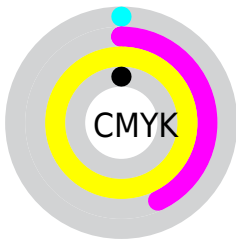
Distribution



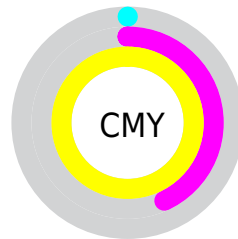
- Red (100%)
- Green (57%)
- Blue (0%)



- Red (75%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8178, 0.5220, 0.4237 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 41.8178, 0.5220, 0.4237 by changing the saturation by 10% instead.


 41.8178, 0.5220,
0.4237

 41.8178, 0.5220,
0.4237


353.7271, 0.4260,
0.3935


 28.9587, 0.5402,
0.4246


 77.9238, 0.4910,
0.4177


 19.0495, 0.5602,
0.4224


 101.9394, 0.4781,
0.4139

 11.7061, 0.5835,
0.4165


 130.4427, 0.4667,
0.4101

 6.5439, 0.6021,
0.3979

 163.8180, 0.4566,
0.4064

 3.1785, 0.6293,
0.3707

 202.4497, 0.4476,
0.4029

 1.2256, 0.6726,
0.3274

 246.7221, 0.4396,

 0.0825, 0.9164,

0.3995

0.0836


 297.0198, 0.4324,
0.3964


 0.0000, 0.0000,
0.0000


 41.8178, 0.5220,
0.4237


 41.8178, 0.5220,
0.4237


 41.8044, 0.5221,
0.4237

 45.4166, 0.5054,
0.4293

 49.4370, 0.4853,
0.4299

 53.9182, 0.4623,
0.4252

 58.8857, 0.4378,
0.4160

 64.3620, 0.4131,
0.4035

70.3674, 0.3893,
0.3891

76.9207, 0.3671,
0.3738

84.0396, 0.3469,
0.3583

91.7405, 0.3288,
0.3433

Harmonies

Analogous

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



41.8178, 0.5403, 0.3458



41.8178, 0.5220, 0.4237



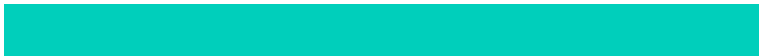
41.8178, 0.4465, 0.5049

Triad

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



41.8178, 0.5220, 0.4237



41.8178, 0.1633, 0.3646



41.8178, 0.2416, 0.1754

Complementary

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



41.8178, 0.5220, 0.4237



18.1815, 0.1698, 0.1312

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.



41.8178, 0.1669, 0.1637



41.8178, 0.5220, 0.4237



41.8178, 0.1284, 0.2452

Square

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



41.8178, 0.5220, 0.4237



41.8178, 0.2416, 0.5039



41.8178, 0.1309, 0.1830



41.8178, 0.3556, 0.2144

Rectangle

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



41.8178, 0.5220, 0.4237



41.8178, 0.3804, 0.5457



41.8178, 0.1309, 0.1830



41.8178, 0.2120, 0.1684

Sweetspot

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



41.8200, 0.5220, 0.4237



76.8896, 0.3672, 0.3739



22.4007, 0.5286, 0.2686



15.8518, 0.3764, 0.3804



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.



41.8200, 0.5220, 0.4237



41.8044, 0.5221, 0.4237



89.6987, 0.4075, 0.5146



19.7134, 0.3280, 0.3426



22.1461, 0.5199, 0.4254



2.3732, 0.5053, 0.4370

Inverse Universe

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



18.1815, 0.1698, 0.1312



18.1665, 0.1698, 0.1311



7.3427, 0.1515, 0.0608



18.6549, 0.2979, 0.3150



9.7744, 0.1706, 0.1341



1.1632, 0.1767, 0.1562

Previews

White Background



This preview shows how the Yxy color 41.8178, 0.5220, 0.4237 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 41.8178, 0.5220, 0.4237 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 41.8178, 0.5220, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 41.8178, 0.5220, 0.4237.

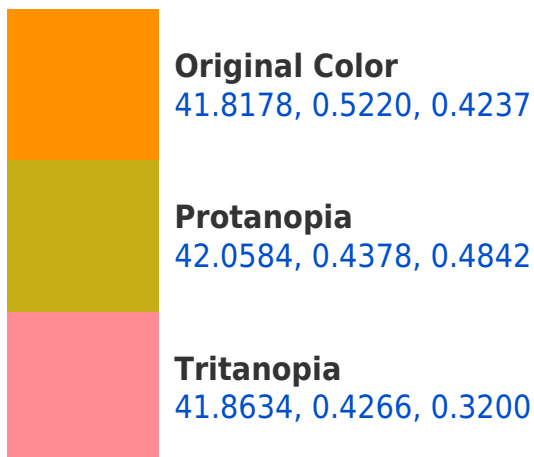


This preview shows how white text looks on a background with the Yxy color 41.8178, 0.5220, 0.4237.

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



Trichromacy



Original Color

41.8178, 0.5220, 0.4237

Protanomaly

41.3317, 0.4692, 0.4621

Tritanomaly

41.4142, 0.4806, 0.3760

Monochromacy



Original Color

41.8178, 0.5220, 0.4237

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.4920, 0.4054, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8178, 0.5220, 0.4237 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, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 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, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.8178, 0.5220, 0.4237 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, 146, 0) }
```

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

```
.border{ border-color:rgb(255, 146, 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, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 41.8178, 0.5220, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 0) }
```

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

```
.background{ background-color: rgb(255,  
146, 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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