

Converting Colors

$Y_{xy}(53.0900, 0.4786, 0.4418)$

Have a look what the booklet for
Yxy(53.0900, 0.4786, 0.4418)
contains.

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Color

Yxy(53.2826, 0.4780, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	FFB22C
RGB	255, 178, 44
RGB Percent	100%, 70%, 17%
CMY	0.0001, 0.3019, 0.8275
CMYK	0.00, 0.30, 0.83, 0.00
HSL	38°, 100%, 59%
HSV	38°, 83%, 100%
XYZ	57.6093, 53.2826, 9.6297
YIQ	185.7470, 88.9060, -25.3500

Conversions

Conversions Part 2

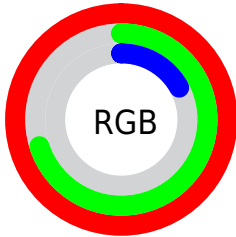
Format	Color
RYB	165, 255, 44
Decimal	16757292
CIELab	78.04, 17.79, 73.03
CIELCh	78, 75.169, 76.308
Yxy	53.2826, 0.4780, 0.4421
Android (android.graphics.Color)	4294947372 (0xFFFFB22C)
YUV	185.7470, -69.8813, 60.7349
Hunter-Lab	72.9949, 13.1353, 43.2748

Details

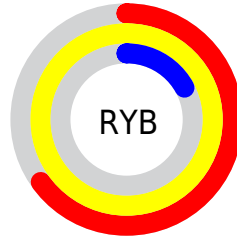
The Yxy color **53.2826, 0.4780, 0.4421** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **21.4174, 0.1791, 0.1480**, and the grayscale version is **49.3160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0649, 0.4093, 0.4542**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **49.5717, 0.4941, 0.4415**, and if you desaturate by 10%, it is **57.3674, 0.4587, 0.4375**.

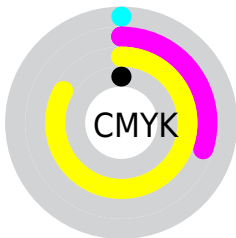
Distribution



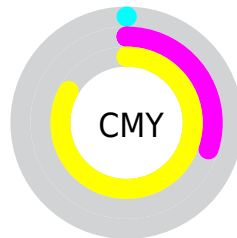
- Red (100%)
- Green (70%)
- Blue (17%)



- Red (65%)
- Yellow (100%)
- Blue (17%)



- Cyan (0%)
- Magenta (30%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2826, 0.4780, 0.4421 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 53.2826, 0.4780, 0.4421 by changing the saturation by 10% instead.

 53.2826, 0.4780,
0.4421

 53.2826, 0.4780,
0.4421

399.3684, 0.4043,
0.3980


 38.0284, 0.4921,
0.4484


 95.0201, 0.4543,
0.4296

 26.0047, 0.5075,
0.4538


 122.2722, 0.4444,
0.4238


 16.8272, 0.5242,
0.4572


 154.2923, 0.4357,
0.4185

 10.1114, 0.5424,
0.4576

 191.4650, 0.4279,
0.4136

 5.4729, 0.5543,
0.4457

 234.1746, 0.4210,
0.4092

 2.5273, 0.5726,
0.4274

 282.8054, 0.4149,

 0.8903, 0.6046,

0.4051

0.3954

337.7419, 0.4093,
0.4014

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.2826, 0.4780,
0.4421

■ 53.2826, 0.4780,
0.4421

■ 49.5717, 0.4941,
0.4415

■ 57.3674, 0.4587,
0.4375

■ 47.0862, 0.5038,
0.4381

■ 61.8415, 0.4374,
0.4281


■ 66.7278, 0.4150,
0.4152

■ 72.0440, 0.3928,
0.3998

 77.8066, 0.3715,
0.3832

 84.0307, 0.3516,
0.3662

 90.7305, 0.3334,
0.3494

 97.9192, 0.3169,
0.3333

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



53.2826, 0.5083, 0.3725



53.2826, 0.4780, 0.4421



53.2826, 0.4057, 0.5011

Triad

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



53.2826, 0.4780, 0.4421



53.2826, 0.1703, 0.3226



53.2826, 0.2834, 0.2044

Complementary

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



53.2826, 0.4780, 0.4421



21.4174, 0.1791, 0.1480

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.



53.2826, 0.2053, 0.1855



53.2826, 0.4780, 0.4421



53.2826, 0.1492, 0.2369

Square

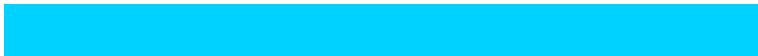
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.2826, 0.4780, 0.4421



53.2826, 0.2285, 0.4363



53.2826, 0.1612, 0.1941



53.2826, 0.3857, 0.2469

Rectangle

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



53.2826, 0.4780, 0.4421



53.2826, 0.3459, 0.5160



53.2826, 0.1612, 0.1941



53.2826, 0.2537, 0.1953

Sweetspot

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



53.2853, 0.4780, 0.4421



82.6028, 0.3559, 0.3700



24.4459, 0.5035, 0.2699



17.2088, 0.3629, 0.3760



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.



53.2853, 0.4780, 0.4421



47.4293, 0.5025, 0.4386



87.9946, 0.3953, 0.5127



19.9111, 0.3278, 0.3441



24.9023, 0.5021, 0.4395



2.6329, 0.4901, 0.4490

Inverse Universe

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



21.4174, 0.1791, 0.1480



15.3555, 0.1654, 0.1147



10.4018, 0.1697, 0.0816



18.4626, 0.2979, 0.3135



8.1233, 0.1655, 0.1158



0.9903, 0.1718, 0.1383

Previews

White Background



This preview shows how the Yxy color 53.2826, 0.4780, 0.4421 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 53.2826, 0.4780, 0.4421 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 53.2826, 0.4780, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 53.2826, 0.4780, 0.4421.



This preview shows how white text looks on a background with the Yxy color 53.2826, 0.4780, 0.4421.

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

53.2826, 0.4780, 0.4421

Protanopia

53.5487, 0.4303, 0.4757

Deuteranopia

53.0818, 0.4646, 0.4542



Tritanopia

53.3047, 0.3818, 0.3187

Trichromacy



Original Color

53.2826, 0.4780, 0.4421

Protanomaly

53.1606, 0.4480, 0.4629

Deuteranomaly

52.9891, 0.4695, 0.4499

Tritanomaly

52.7858, 0.4259, 0.3729

Monochromacy



Original Color

53.2826, 0.4780, 0.4421

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4371, 0.3784, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2826, 0.4780, 0.4421 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, 178, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 44)  
}
```

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, 178, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 44) }
```

Border

The CSS property to change the border of an element to Yxy 53.2826, 0.4780, 0.4421 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, 178, 44) }
```

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

```
.border{ border-color:rgb(255, 178, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 178, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2826, 0.4780, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 44) }
```

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

```
.background{ background-color: rgb(255,  
178, 44) }
```

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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