

Converting Colors

Yxy(53.3001, 0.4860, 0.4523)

Have a look what the booklet for
Yxy(53.3001, 0.4860, 0.4523)
contains.

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Color

Yxy(53.1008, 0.4865, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	FFB200
RGB	255, 178, 0
RGB Percent	100%, 70%, 0%
CMY	0.0000, 0.3020, 0.9997
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.1665, 53.1008, 7.2383
YIQ	180.7310, 103.0300, -39.0340

Conversions

Conversions Part 2

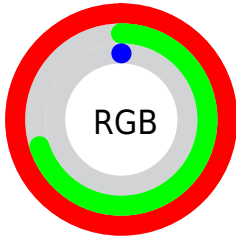
Format	Color
RYB	110, 255, 0
Decimal	16757248
CIELab	77.93, 17.17, 80.94
CIElCh	78, 82.737, 78.025
Yxy	53.1008, 0.4865, 0.4519
Android (android.graphics.Color)	4294947328 (0xFFFFB200)
YUV	180.7310, -89.1004, 65.1339
Hunter-Lab	72.8703, 12.5096, 45.1198

Details

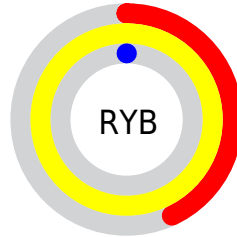
The Yxy color **53.1008, 0.4865, 0.4519** is a dark color, and the websafe version is hex **FF9900**, and the color name is **chinese yellow**. The color can be described as middle saturated orange. A complement of this color would be **12.5405, 0.1603, 0.0971**, and the grayscale version is **46.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7148, 0.4181, 0.4675**, and **26.1282, 0.4963, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **53.0894, 0.4865, 0.4519**, and if you desaturate by 10%, it is **56.3241, 0.4753, 0.4544**.

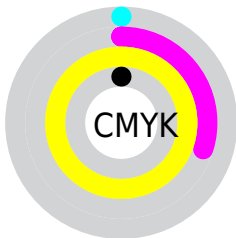
Distribution



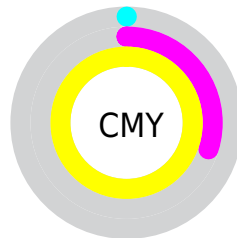
- Red (100%)
- Green (70%)
- Blue (0%)



- Red (43%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1008, 0.4865, 0.4519 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 53.1008, 0.4865, 0.4519 by changing the saturation by 10% instead.


 53.1008, 0.4865,
0.4519


 53.1008, 0.4865,
0.4519


398.6717, 0.4114,
0.4059

 37.8832, 0.4998,
0.4576


 94.7527, 0.4632,
0.4396


 25.8921, 0.5137,
0.4618


 121.9558, 0.4532,
0.4336


 16.7429, 0.5308,
0.4659


 153.9229, 0.4442,
0.4281


 10.0514, 0.5406,
0.4594

 191.0383, 0.4362,
0.4229

 5.4330, 0.5522,
0.4478

 233.6865, 0.4290,
0.4181

 2.5035, 0.5701,
0.4299

 282.2519, 0.4226,

 0.8784, 0.6013,

0.4137

0.3987

337.1189, 0.4167,
0.4097

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.1008, 0.4865,
0.4519

53.1008, 0.4865,
0.4519

53.0894, 0.4865,
0.4519

56.3241, 0.4753,
0.4544

59.8178, 0.4611,
0.4522

63.6123, 0.4440,
0.4449

67.7278, 0.4248,
0.4333

■ 72.1816, 0.4046,
0.4184

■ 76.9890, 0.3842,
0.4013

■ 82.1642, 0.3644,
0.3831

■ 87.7201, 0.3457,
0.3645

■ 93.6687, 0.3284,
0.3463

Harmonies

Analogous

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



53.1008, 0.5256, 0.3766



53.1008, 0.4865, 0.4519



53.1008, 0.4050, 0.5183

Triad

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



53.1008, 0.4865, 0.4519



53.1008, 0.1559, 0.3137



53.1008, 0.2858, 0.1968

Complementary

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



53.1008, 0.4865, 0.4519



12.5405, 0.1603, 0.0971

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.



53.1008, 0.1999, 0.1750



53.1008, 0.4865, 0.4519



53.1008, 0.1368, 0.2236

Square

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



53.1008, 0.4865, 0.4519



53.1008, 0.2150, 0.4415



53.1008, 0.1515, 0.1816



53.1008, 0.3990, 0.2430

Rectangle

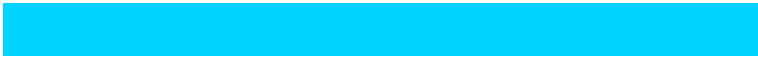
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1008, 0.4865, 0.4519



53.1008, 0.3400, 0.5356



53.1008, 0.1515, 0.1816



53.1008, 0.2531, 0.1866

Sweetspot

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



53.0996, 0.4865, 0.4519



82.1466, 0.3645, 0.3831



21.8530, 0.5751, 0.2942



17.1060, 0.3727, 0.3909



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.



53.0996, 0.4865, 0.4519



53.0894, 0.4865, 0.4519



84.9686, 0.3866, 0.5312



20.1099, 0.3277, 0.3455



28.0152, 0.4851, 0.4530



2.9199, 0.4758, 0.4604

Inverse Universe

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



12.5405, 0.1603, 0.0971



12.5318, 0.1603, 0.0970



7.8219, 0.1573, 0.0640



18.2723, 0.2979, 0.3119



6.7757, 0.1611, 0.0998



0.8418, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 53.1008, 0.4865, 0.4519 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 53.1008, 0.4865, 0.4519 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 53.1008, 0.4865, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 53.1008, 0.4865, 0.4519.



This preview shows how white text looks on a background with the Yxy color 53.1008, 0.4865, 0.4519.

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

53.1008, 0.4865, 0.4519

Protanopia

53.5264, 0.4387, 0.4862

Deuteranopia

53.1001, 0.4728, 0.4628



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

53.1008, 0.4865, 0.4519

Protanomaly

52.9773, 0.4561, 0.4739

Deuteranomaly

53.0042, 0.4780, 0.4587

Tritanomaly

52.0029, 0.4402, 0.3874

Monochromacy



Original Color

53.1008, 0.4865, 0.4519

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2902, 0.3927, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1008, 0.4865, 0.4519 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 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, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.1008, 0.4865, 0.4519 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, 0) }
```

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

```
.border{ border-color:rgb(255, 178, 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, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1008, 0.4865, 0.4519 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, 0) }
```

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

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