

Converting Colors

$Yxy(29.0878, 0.5203, 0.4518)$

Have a look what the booklet for
Yxy(29.0878, 0.5203, 0.4518)
contains.

Yxy(29.3752, 0.5055, 0.4368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3752, 0.5055, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	D08200
RGB	208, 130, 0
RGB Percent	82%, 51%, 0%
CMY	0.1843, 0.4902, 0.9997
CMYK	0.00, 0.37, 1.00, 0.18
HSL	37°, 100%, 41%
HSV	37°, 100%, 82%
XYZ	33.9953, 29.3752, 3.8804
YIQ	138.5020, 88.2180, -23.8940

Conversions

Conversions Part 2

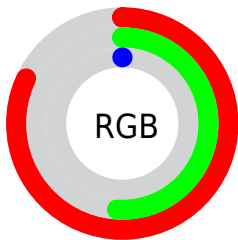
Format	Color
RYB	125, 208, 0
Decimal	13664768
CIELab	61.11, 22.54, 67.13
CIELCh	61, 70.818, 71.438
Yxy	29.3752, 0.5055, 0.4368
Android (android.graphics.Color)	4291854848 (0xFFD08200)
YUV	138.5020, -68.2815, 60.9497
Hunter-Lab	54.1989, 17.1130, 33.6943

Details

The Yxy color **29.3752, 0.5055, 0.4368** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **10.0143, 0.1661, 0.1178**, and the grayscale version is **25.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5692, 0.4622, 0.4333**, and **11.9404, 0.5254, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **29.3681, 0.5055, 0.4368**, and if you desaturate by 10%, it is **31.5854, 0.4908, 0.4403**.

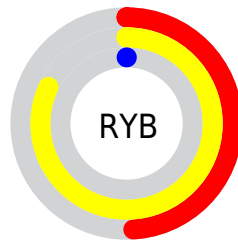
Distribution



Red (82%)

Green (51%)

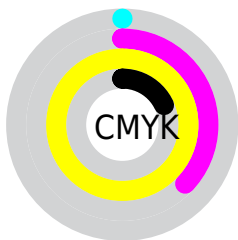
Blue (0%)



Red (49%)

Yellow (82%)

Blue (0%)

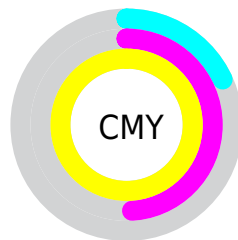


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3752, 0.5055, 0.4368 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 29.3752, 0.5055, 0.4368 by changing the saturation by 10% instead.

 29.3752, 0.5055,
0.4368


 29.3752, 0.5055,
0.4368


298.9812, 0.4114,
0.3947


 19.3648, 0.5242,
0.4403


 58.6727, 0.4741,
0.4262

 11.9342, 0.5474,
0.4428


 78.7286, 0.4613,
0.4206


 6.6989, 0.5659,
0.4341


 102.9018, 0.4501,
0.4154

 3.2745, 0.5853,
0.4147

 131.5767, 0.4403,
0.4105

 1.2767, 0.6174,
0.3826

 165.1377, 0.4317,
0.4060

 0.1230, 0.8443,
0.1557

 203.9692, 0.4242,

 0.0000, 0.0000,

0.4019

0.0000

248.4555, 0.4174,
0.3981

29.3752, 0.5055,
0.4368

29.3752, 0.5055,
0.4368

29.3681, 0.5055,
0.4368

31.5854, 0.4908,
0.4403

34.0126, 0.4731,
0.4392

36.6809, 0.4527,
0.4330

39.6039, 0.4307,
0.4225

42.7936, 0.4082,
0.4090

■ 46.2609, 0.3861,
0.3935

■ 50.0157, 0.3653,
0.3771

■ 54.0671, 0.3460,
0.3605

■ 58.4240, 0.3284,
0.3444

Harmonies

Analogous

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



29.3752, 0.5337, 0.3600



29.3752, 0.5055, 0.4368



29.3752, 0.4274, 0.5118

Triad

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



29.3752, 0.5055, 0.4368



29.3752, 0.1600, 0.3399



29.3752, 0.2617, 0.1853

Complementary

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



29.3752, 0.5055, 0.4368



10.0143, 0.1661, 0.1178

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.



29.3752, 0.1819, 0.1690



29.3752, 0.5055, 0.4368



29.3752, 0.1324, 0.2349

Square

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



29.3752, 0.5055, 0.4368



29.3752, 0.2293, 0.4747



29.3752, 0.1405, 0.1824



29.3752, 0.3758, 0.2277

Rectangle

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



29.3752, 0.5055, 0.4368



29.3752, 0.3619, 0.5422



29.3752, 0.1405, 0.1824



29.3752, 0.2306, 0.1769

Sweetspot

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



29.3767, 0.5055, 0.4368



79.0523, 0.3661, 0.3778



13.9876, 0.5464, 0.2784



16.3664, 0.3748, 0.3848



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.



29.3767, 0.5055, 0.4368



46.1748, 0.5068, 0.4358



55.2699, 0.3988, 0.5215



13.0212, 0.3275, 0.3435



18.4950, 0.5040, 0.4380



1.1839, 0.4845, 0.4535

Inverse Universe

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



10.0143, 0.1661, 0.1178



15.5231, 0.1655, 0.1157



4.7542, 0.1539, 0.0622



12.1339, 0.2982, 0.3141



6.4081, 0.1668, 0.1203



0.5090, 0.1771, 0.1577

Previews

White Background



This preview shows how the Yxy color 29.3752, 0.5055, 0.4368 looks on a white background.

Color Contrast Check

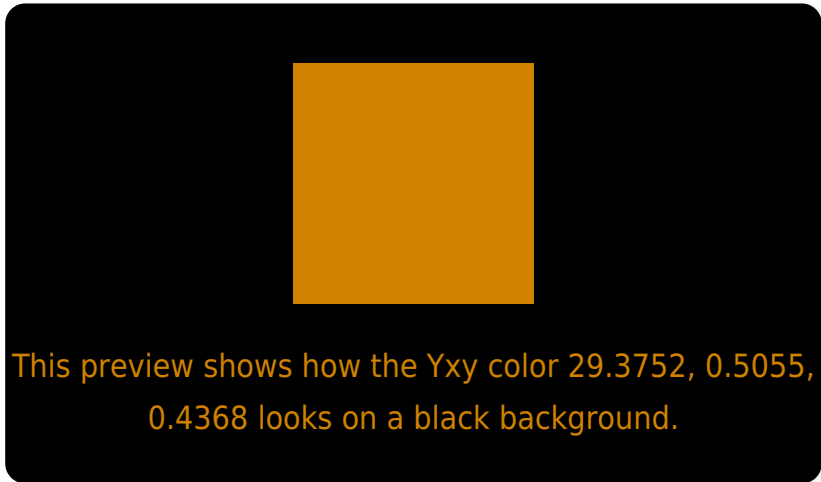
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3752, 0.5055, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 29.3752, 0.5055, 0.4368.



This preview shows how white text looks on a background with the Yxy color 29.3752, 0.5055, 0.4368.

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

29.3752, 0.5055, 0.4368

Protanopia

29.4298, 0.4379, 0.4843

Deuteranopia

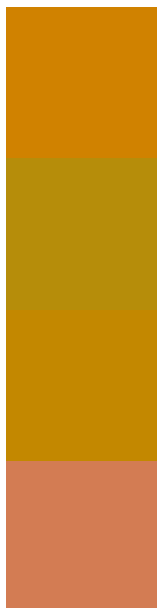
29.3210, 0.4721, 0.4634



Tritanopia

29.4326, 0.4140, 0.3181

Trichromacy



Original Color

29.3752, 0.5055, 0.4368

Protanomaly

29.0168, 0.4638, 0.4661

Deuteranomaly

29.2104, 0.4854, 0.4528

Tritanomaly

28.8887, 0.4664, 0.3781

Monochromacy



Original Color

29.3752, 0.5055, 0.4368

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2054, 0.3980, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3752, 0.5055, 0.4368 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(208, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 130, 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(208, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.3752, 0.5055, 0.4368 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(208, 130, 0) }
```

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

```
.border{ border-color:rgb(208, 130, 0) }
```

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

Here you see how a box with a 4 pixel rgb(208, 130, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3752, 0.5055, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 130, 0) }
```

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

```
.background{ background-color: rgb(208,  
130, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor