

Converting Colors

$Y_{xy}(32.8017, 0.5051, 0.4132)$

Have a look what the booklet for
Yxy(32.8017, 0.5051, 0.4132)
contains.

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Color

Yxy(32.8457, 0.5044, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	E2842B
RGB	226, 132, 43
RGB Percent	89%, 52%, 17%
CMY	0.1136, 0.4824, 0.8314
CMYK	0.00, 0.42, 0.81, 0.11
HSL	29°, 76%, 53%
HSV	29°, 81%, 89%
XYZ	40.0565, 32.8457, 6.5120
YIQ	149.9600, 84.5930, -7.7510

Conversions

Conversions Part 2

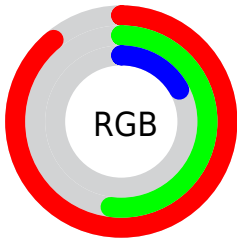
Format	Color
R _{YB}	226, 216, 43
Decimal	14844971
CIE _{Lab}	64.04, 29.89, 59.78
CIE _{LCh}	64, 66.835, 63.436
Y _{xy}	32.8457, 0.5044, 0.4136
Android (android.graphics.Color)	4293035051 (0xFFE2842B)
Y _{UV}	149.9600, -52.7313, 66.6871
Hunter-Lab	57.3112, 24.4645, 33.3810

Details

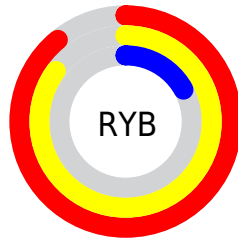
The Yxy color **32.8457, 0.5044, 0.4136** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.8996, 0.1926, 0.1945**, and the grayscale version is **30.6823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2223, 0.4445, 0.4176**, and **14.0339, 0.5404, 0.4091** is the 20% darker color. If you saturate the color by 10%, you get **29.7494, 0.5284, 0.4108**, and if you desaturate by 10%, it is **36.3877, 0.4773, 0.4110**.

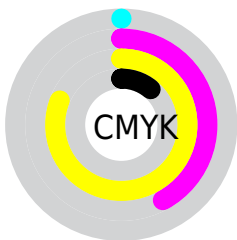
Distribution



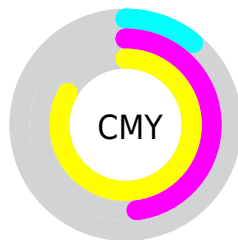
- Red (89%)
- Green (52%)
- Blue (17%)



- Red (89%)
- Yellow (85%)
- Blue (17%)



- Cyan (0%)
- Magenta (42%)
- Yellow (81%)
- Black (11%)




- Cyan (11%)
- Magenta (48%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8457, 0.5044, 0.4136 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 32.8457, 0.5044, 0.4136 by changing the saturation by 10% instead.


 32.8457, 0.5044,
0.4136


 32.8457, 0.5044,
0.4136


314.9539, 0.4089,
0.3815


 22.0083, 0.5253,
0.4163


 64.1346, 0.4713,
0.4055

 13.8630, 0.5494,
0.4164


 85.3548, 0.4582,
0.4014


 8.0254, 0.5838,
0.4162


 110.8047, 0.4470,
0.3974

 4.1112, 0.6055,
0.3945

 140.8687, 0.4373,
0.3937

 1.7360, 0.6393,
0.3607

 175.9313, 0.4288,
0.3902

 0.4468, 0.7278,
0.2722

 216.3767, 0.4213,

 0.0000, 1.0000,

0.3871

0.0000

262.5895, 0.4147,
0.3842

■ 0.0000, 0.0000,
0.0000

■ 32.8457, 0.5044,
0.4136

■ 32.8457, 0.5044,
0.4136

■ 29.7494, 0.5284,
0.4108

■ 36.3877, 0.4773,
0.4110

■ 27.3058, 0.5467,
0.4041


■ 40.3944, 0.4490,
0.4040

■ 44.8892, 0.4211,
0.3937


■ 49.8916, 0.3949,
0.3815

■ 55.4200, 0.3709,
0.3684

 61.4917, 0.3495,
0.3552

 68.1229, 0.3307,
0.3424

 75.3291, 0.3142,
0.3302

 83.1251, 0.2999,
0.3188

Harmonies

Analogous

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



32.8457, 0.5104, 0.3426



32.8457, 0.5044, 0.4136



32.8457, 0.4438, 0.4836

Triad

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



32.8457, 0.5044, 0.4136



32.8457, 0.1858, 0.3724



32.8457, 0.2430, 0.1886

Complementary

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



32.8457, 0.5044, 0.4136



23.8996, 0.1926, 0.1945

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.



32.8457, 0.1777, 0.1806



32.8457, 0.5044, 0.4136



32.8457, 0.1484, 0.2650

Square

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



32.8457, 0.5044, 0.4136



32.8457, 0.2606, 0.4853



32.8457, 0.1469, 0.2029



32.8457, 0.3415, 0.2224

Rectangle

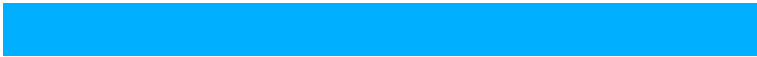
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.8457, 0.5044, 0.4136



32.8457, 0.3864, 0.5171



32.8457, 0.1469, 0.2029



32.8457, 0.2172, 0.1829

Sweetspot

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



32.8474, 0.5044, 0.4136



78.2219, 0.3560, 0.3594



19.7208, 0.4473, 0.2398



16.1298, 0.3637, 0.3641



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.



32.8474, 0.5044, 0.4136



36.6983, 0.5419, 0.4059



69.1072, 0.4161, 0.4942



14.7953, 0.3280, 0.3404



15.8104, 0.5442, 0.4061



1.2747, 0.5199, 0.4254

Inverse Universe

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



23.8996, 0.1926, 0.1945



24.5178, 0.1794, 0.1643



7.9618, 0.1630, 0.0826



14.4019, 0.2981, 0.3173



10.5103, 0.1786, 0.1629



0.9077, 0.1862, 0.1903

Previews

White Background



This preview shows how the Yxy color 32.8457, 0.5044, 0.4136 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 32.8457, 0.5044, 0.4136 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 32.8457, 0.5044, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 32.8457, 0.5044, 0.4136.



This preview shows how white text looks on a background with the Yxy color 32.8457, 0.5044, 0.4136.

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

32.8457, 0.5044, 0.4136

Protanopia

32.9974, 0.4235, 0.4674

Deuteranopia

33.0429, 0.4614, 0.4527



Tritanopia

32.6549, 0.4287, 0.3190

Trichromacy



Original Color

32.8457, 0.5044, 0.4136

Protanomaly

32.4101, 0.4540, 0.4467

Deuteranomaly

32.7579, 0.4777, 0.4374

Tritanomaly

32.4998, 0.4640, 0.3584

Monochromacy



Original Color

32.8457, 0.5044, 0.4136

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2576, 0.3855, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8457, 0.5044, 0.4136 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(226, 132, 43)` looks like.

```
.text, #text, p{  
    color:rgb(226, 132, 43)  
}
```

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(226, 132, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 132, 43) }
```

Border

The CSS property to change the border of an element to Yxy 32.8457, 0.5044, 0.4136 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(226, 132, 43) }
```

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

```
.border{ border-color:rgb(226, 132, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 132, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 132, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 132, 43);  
box-shadow:4px 4px 4px 4px rgb(226, 132,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8457, 0.5044, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 132, 43) }
```

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

```
.background{ background-color: rgb(226,  
132, 43) }
```

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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