

Converting Colors

$Y_{xy}(32.2286, 0.5184, 0.4178)$

Have a look what the booklet for
Yxy(32.2286, 0.5184, 0.4178)
contains.

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Color

Yxy(32.2564, 0.5182, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	E48117
RGB	228, 129, 23
RGB Percent	89%, 51%, 9%
CMY	0.1059, 0.4941, 0.9095
CMYK	0.00, 0.43, 0.90, 0.11
HSL	31°, 82%, 49%
HSV	31°, 90%, 89%
XYZ	39.9982, 32.2564, 4.9322
YIQ	146.5170, 93.0300, -11.9780

Conversions

Conversions Part 2

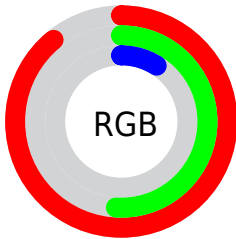
Format	Color
R _Y B	214, 228, 23
Decimal	14975255
CIE Lab	63.55, 31.78, 65.87
CIE LCh	64, 73.135, 64.242
Yxy	32.2564, 0.5182, 0.4179
Android (android.graphics.Color)	4293165335 (0xFFE48117)
YUV	146.5170, -60.8939, 71.4606
Hunter-Lab	56.7947, 26.3196, 34.6074

Details

The Yxy color **32.2564, 0.5182, 0.4179** 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 **19.7161, 0.1821, 0.1684**, and the grayscale version is **29.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7211, 0.4562, 0.4261**, and **13.6990, 0.5465, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **29.4497, 0.5374, 0.4114**, and if you desaturate by 10%, it is **35.4518, 0.4953, 0.4194**.

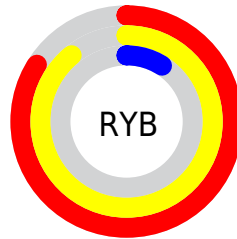
Distribution



Red (89%)

Green (51%)

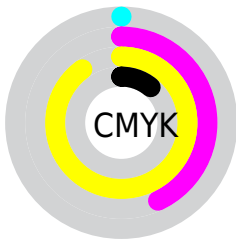
Blue (9%)



Red (84%)

Yellow (89%)

Blue (9%)

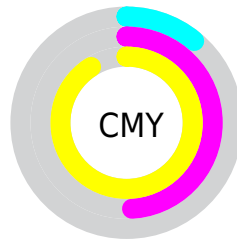


Cyan (0%)

Magenta (43%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (49%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2564, 0.5182, 0.4179 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 32.2564, 0.5182, 0.4179 by changing the saturation by 10% instead.


 32.2564, 0.5182,
0.4179


 32.2564, 0.5182,
0.4179


312.2856, 0.4176,
0.3867


 21.5574, 0.5390,
0.4192


 63.2128, 0.4841,
0.4111


 13.5321, 0.5629,
0.4172


 84.2391, 0.4704,
0.4071


 7.7959, 0.5903,
0.4097


 109.4765, 0.4585,
0.4032

 3.9647, 0.6135,
0.3865

 139.3095, 0.4482,
0.3994

 1.6538, 0.6496,
0.3504

 174.1226, 0.4391,
0.3958

 0.3935, 0.7513,
0.2487


 214.3000, 0.4310,


 0.0000, 1.0000,


0.3925


0.0000

 260.2262, 0.4239,
0.3895

 0.0000, 0.0000,
0.0000


 32.2564, 0.5182,
0.4179


 32.2564, 0.5182,
0.4179


 29.4497, 0.5374,
0.4114


 35.4518, 0.4953,
0.4194

 29.4177, 0.5376,
0.4113

 39.0629, 0.4695,
0.4156

 43.1138, 0.4426,
0.4075

 47.6241, 0.4160,
0.3963

 52.6121, 0.3909,
0.3832

■ 58.0946, 0.3678,
0.3693

■ 64.0875, 0.3470,
0.3553

■ 70.6056, 0.3287,
0.3417

■ 77.6632, 0.3125,
0.3289

Harmonies

Analogous

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



32.2564, 0.5297, 0.3424



32.2564, 0.5182, 0.4179



32.2564, 0.4491, 0.4955

Triad

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



32.2564, 0.5182, 0.4179



32.2564, 0.1726, 0.3722



32.2564, 0.2388, 0.1788

Complementary

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



32.2564, 0.5182, 0.4179



19.7161, 0.1821, 0.1684

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.



32.2564, 0.1686, 0.1692



32.2564, 0.5182, 0.4179



32.2564, 0.1354, 0.2549

Square

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



32.2564, 0.5182, 0.4179



32.2564, 0.2512, 0.5013



32.2564, 0.1354, 0.1908



32.2564, 0.3467, 0.2153

Rectangle

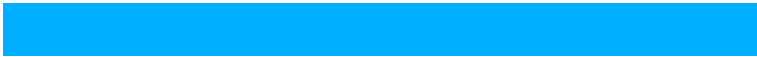
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.2564, 0.5182, 0.4179



32.2564, 0.3862, 0.5348



32.2564, 0.1354, 0.1908



32.2564, 0.2109, 0.1725

Sweetspot

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



32.2581, 0.5182, 0.4179



76.9182, 0.3619, 0.3655



18.5162, 0.4810, 0.2486



15.9152, 0.3694, 0.3703



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.



32.2581, 0.5182, 0.4179



37.7164, 0.5385, 0.4106



71.4828, 0.4147, 0.5041



15.5943, 0.3279, 0.3412



17.2273, 0.5354, 0.4131



1.4589, 0.5139, 0.4302

Inverse Universe

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



19.7161, 0.1821, 0.1684



21.4282, 0.1747, 0.1488



6.4428, 0.1552, 0.0678



15.0303, 0.2981, 0.3165



9.9251, 0.1757, 0.1526



0.9187, 0.1832, 0.1796

Previews

White Background



This preview shows how the Yxy color 32.2564, 0.5182, 0.4179 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 32.2564, 0.5182, 0.4179 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 32.2564, 0.5182, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 32.2564, 0.5182, 0.4179.



This preview shows how white text looks on a background with the Yxy color 32.2564, 0.5182, 0.4179.

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

32.2564, 0.5182, 0.4179

Protanopia

32.5351, 0.4331, 0.4791

Deuteranopia

32.1599, 0.4722, 0.4632



Tritanopia

32.1737, 0.4361, 0.3192

Trichromacy



Original Color

32.2564, 0.5182, 0.4179

Protanomaly

32.1062, 0.4652, 0.4564

Deuteranomaly

32.0391, 0.4899, 0.4465

Tritanomaly

31.8930, 0.4792, 0.3649

Monochromacy



Original Color

32.2564, 0.5182, 0.4179

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9456, 0.3946, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2564, 0.5182, 0.4179 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(228, 129, 23)` looks like.

```
.text, #text, p{  
    color:rgb(228, 129, 23)  
}
```

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(228, 129, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 129, 23) }
```

Border

The CSS property to change the border of an element to Yxy 32.2564, 0.5182, 0.4179 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(228, 129, 23) }
```

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

```
.border{ border-color:rgb(228, 129, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 129, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 129, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 129, 23);  
box-shadow:4px 4px 4px 4px rgb(228, 129,  
23) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.2564, 0.5182, 0.4179$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 129, 23) }
```

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

```
.background{ background-color: rgb(228,  
129, 23) }
```

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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