

Converting Colors

$Y_{xy}(32.0423, 0.5150, 0.4083)$

Have a look what the booklet for
Yxy(32.0423, 0.5150, 0.4083)
contains.

Yxy(31.9900, 0.5143, 0.4084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9900, 0.5143, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	E57F28
RGB	229, 127, 40
RGB Percent	90%, 50%, 16%
CMY	0.1020, 0.5019, 0.8433
CMYK	0.00, 0.45, 0.83, 0.10
HSL	28°, 78%, 53%
HSV	28°, 83%, 90%
XYZ	40.2852, 31.9900, 6.0549
YIQ	147.5800, 88.7190, -5.4330

Conversions

Conversions Part 2

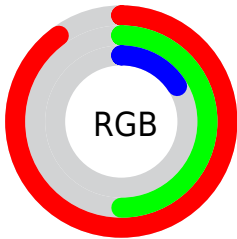
Format	Color
R _Y B	229, 201, 40
Decimal	15040296
CIE Lab	63.33, 33.62, 60.44
CIE LCh	63, 69.167, 60.915
Yxy	31.9900, 0.5143, 0.4084
Android (android.graphics.Color)	4293230376 (0xFFE57F28)
YUV	147.5800, -53.0369, 71.4053
Hunter-Lab	56.5597, 28.1587, 33.2446

Details

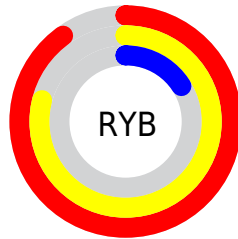
The Yxy color **31.9900, 0.5143, 0.4084** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **25.4389, 0.1930, 0.1990**, and the grayscale version is **29.6270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0981, 0.4503, 0.4153**, and **13.3844, 0.5527, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **28.8811, 0.5388, 0.4041**, and if you desaturate by 10%, it is **35.5858, 0.4862, 0.4072**.

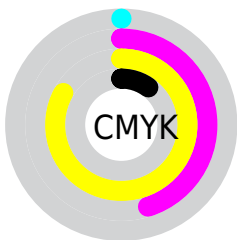
Distribution



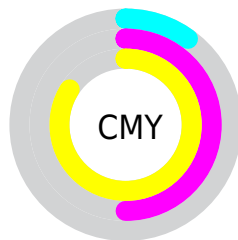
- Red (90%)
- Green (50%)
- Blue (16%)



- Red (90%)
- Yellow (79%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (83%)
- Black (10%)




- Cyan (10%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9900, 0.5143, 0.4084 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 31.9900, 0.5143, 0.4084 by changing the saturation by 10% instead.


 31.9900, 0.5143,
0.4084


 31.9900, 0.5143,
0.4084


311.0737, 0.4135,
0.3801


 21.3539, 0.5363,
0.4098


 62.7954, 0.4794,
0.4020

 13.3829, 0.5616,
0.4079

 83.7335, 0.4656,
0.3984


 7.6927, 0.5962,
0.4038


 108.8743, 0.4538,
0.3948

 3.8990, 0.6206,
0.3794

 138.6023, 0.4435,
0.3914

 1.6172, 0.6585,
0.3415

 173.3018, 0.4345,
0.3883

 0.3692, 0.7672,
0.2328

 213.3573, 0.4267,

 0.0000, 1.0000,

0.3853

0.0000

259.1531, 0.4197,
0.3826

■ 0.0000, 0.0000,
0.0000

■ 31.9900, 0.5143,
0.4084

■ 31.9900, 0.5143,
0.4084

■ 28.8811, 0.5388,
0.4041

■ 35.5858, 0.4862,
0.4072

■ 26.8530, 0.5544,
0.3980

■ 39.6911, 0.4567,
0.4014

■ 44.3319, 0.4276,
0.3921

■ 49.5308, 0.4002,
0.3808

■ 55.3085, 0.3753,
0.3684

61.6845, 0.3531,
0.3558

68.6774, 0.3336,
0.3435

76.3047, 0.3167,
0.3319

84.5832, 0.3020,
0.3209

Harmonies

Analogous

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



31.9900, 0.5159, 0.3358



31.9900, 0.5143, 0.4084



31.9900, 0.4541, 0.4824

Triad

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



31.9900, 0.5143, 0.4084



31.9900, 0.1857, 0.3849



31.9900, 0.2330, 0.1822

Complementary

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



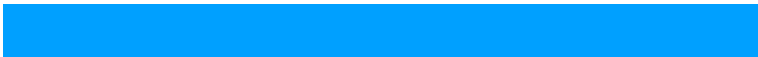
31.9900, 0.5143, 0.4084



25.4389, 0.1930, 0.1990

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.



31.9900, 0.1691, 0.1762



31.9900, 0.5143, 0.4084



31.9900, 0.1445, 0.2693

Square

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



31.9900, 0.5143, 0.4084



31.9900, 0.2655, 0.5007



31.9900, 0.1405, 0.2016



31.9900, 0.3328, 0.2149

Rectangle

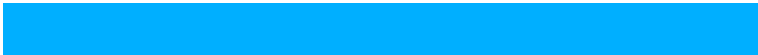
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9900, 0.5143, 0.4084



31.9900, 0.3956, 0.5211



31.9900, 0.1405, 0.2016



31.9900, 0.2075, 0.1771

Sweetspot

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



31.9917, 0.5143, 0.4084



76.5374, 0.3586, 0.3591



20.1844, 0.4403, 0.2333



15.7629, 0.3663, 0.3635



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.



31.9917, 0.5143, 0.4084



34.4110, 0.5533, 0.3981



67.7606, 0.4217, 0.4912



15.4561, 0.3281, 0.3399



15.5883, 0.5519, 0.4000



1.3360, 0.5276, 0.4193

Inverse Universe

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



25.4389, 0.1930, 0.1990



25.6302, 0.1806, 0.1697



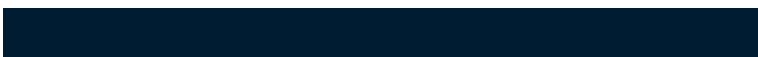
8.3386, 0.1624, 0.0839



15.1689, 0.2981, 0.3179



11.6560, 0.1810, 0.1716



1.0467, 0.1879, 0.1964

Previews

White Background



This preview shows how the Yxy color 31.9900, 0.5143, 0.4084 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 31.9900, 0.5143, 0.4084 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 31.9900, 0.5143, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 31.9900, 0.5143, 0.4084.



This preview shows how white text looks on a background with the Yxy color 31.9900, 0.5143, 0.4084.

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

31.9900, 0.5143, 0.4084

Protanopia

32.0871, 0.4244, 0.4683

Deuteranopia

32.1260, 0.4638, 0.4546



Tritanopia

32.0496, 0.4402, 0.3204

Trichromacy



Original Color

31.9900, 0.5143, 0.4084

Protanomaly

31.4658, 0.4590, 0.4455

Deuteranomaly

31.8461, 0.4836, 0.4368

Tritanomaly

31.9011, 0.4755, 0.3586

Monochromacy



Original Color

31.9900, 0.5143, 0.4084

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2074, 0.3881, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9900, 0.5143, 0.4084 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(229, 127, 40)` looks like.

```
.text, #text, p{  
    color:rgb(229, 127, 40)  
}
```

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(229, 127, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 127, 40) }
```

Border

The CSS property to change the border of an element to Yxy 31.9900, 0.5143, 0.4084 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(229, 127, 40) }
```

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

```
.border{ border-color:rgb(229, 127, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 127, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 127, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 127, 40);  
box-shadow:4px 4px 4px 4px rgb(229, 127,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9900, 0.5143, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 127, 40) }
```

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

```
.background{ background-color: rgb(229,  
127, 40) }
```

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