

Converting Colors

Yxy(31.5869, 0.5460, 0.4028)

Have a look what the booklet for
Yxy(31.5869, 0.5460, 0.4028)
contains.

Yxy(31.4365, 0.5464, 0.4025)	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(31.4365, 0.5464, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	F17506
RGB	241, 117, 6
RGB Percent	95%, 46%, 2%
CMY	0.0548, 0.5412, 0.9764
CMYK	0.00, 0.51, 0.98, 0.05
HSL	28°, 95%, 48%
HSV	28°, 98%, 95%
XYZ	42.6755, 31.4365, 3.9911
YIQ	141.4220, 109.5350, -8.2330

Conversions

Conversions Part 2

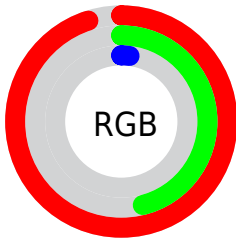
Format	Color
R _Y B	241, 216, 6
Decimal	15824134
CIE Lab	62.87, 42.89, 69.55
CIE LCh	63, 81.716, 58.338
Yxy	31.4365, 0.5464, 0.4025
Android (android.graphics.Color)	4294014214 (0xFFFF17506)
YUV	141.4220, -66.7630, 87.3299
Hunter-Lab	56.0683, 37.7432, 35.0274

Details

The Yxy color **31.4365, 0.5464, 0.4025** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **22.3682, 0.1806, 0.1687**, and the grayscale version is **27.0467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8537, 0.4717, 0.4211**, and **13.1277, 0.5782, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **30.6980, 0.5514, 0.4004**, and if you desaturate by 10%, it is **34.6875, 0.5247, 0.4093**.

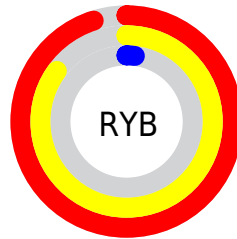
Distribution



Red (95%)

Green (46%)

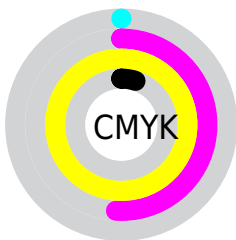
Blue (2%)



Red (95%)

Yellow (85%)

Blue (2%)

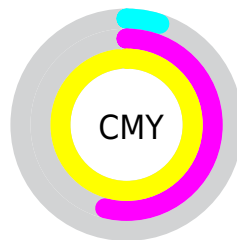


Cyan (0%)

Magenta (51%)

Yellow (98%)

Black (5%)



Cyan (5%)

Magenta (54%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4365, 0.5464, 0.4025 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 31.4365, 0.5464, 0.4025 by changing the saturation by 10% instead.


 31.4365, 0.5464,
0.4025


 31.4365, 0.5464,
0.4025


308.5443, 0.4326,
0.3833

 20.9315, 0.5694,
0.3996


 61.9266, 0.5083,
0.4011

 13.0739, 0.5974,
0.3934


 82.6805, 0.4928,
0.3988

 7.4795, 0.6237,
0.3763


 107.6195, 0.4793,
0.3963

 3.7637, 0.6532,
0.3468

 137.1279, 0.4675,
0.3935

 1.5423, 0.6980,
0.3020

 171.5902, 0.4572,
0.3908


 0.3182, 0.8209,
0.1791

 211.3908, 0.4480,

 0.0000, 1.0000,

0.3882


0.0000

 256.9140, 0.4399,
0.3857

 0.0000, 0.0000,
0.0000


 31.4365, 0.5464,
0.4025

 31.4365, 0.5464,
0.4025


 30.6980, 0.5514,
0.4004

 34.6875, 0.5247,
0.4093

 38.4478, 0.4988,
0.4107

 42.7527, 0.4703,
0.4068

 47.6306, 0.4412,
0.3989

 53.1071, 0.4131,
0.3882

■ 59.2057, 0.3871,
0.3759

■ 65.9482, 0.3637,
0.3630

■ 73.3555, 0.3429,
0.3501

■ 81.4470, 0.3248,
0.3378

Harmonies

Analogous

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



31.4365, 0.5474, 0.3238



31.4365, 0.5464, 0.4025



31.4365, 0.4758, 0.4902

Triad

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



31.4365, 0.5464, 0.4025



31.4365, 0.1701, 0.4082



31.4365, 0.2118, 0.1611

Complementary

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



31.4365, 0.5464, 0.4025



22.3682, 0.1806, 0.1687

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.



31.4365, 0.1455, 0.1563



31.4365, 0.5464, 0.4025



31.4365, 0.1233, 0.2647

Square

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



31.4365, 0.5464, 0.4025



31.4365, 0.2617, 0.5471



31.4365, 0.1176, 0.1854



31.4365, 0.3232, 0.1946

Rectangle

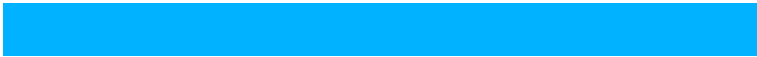
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.4365, 0.5464, 0.4025



31.4365, 0.4087, 0.5443



31.4365, 0.1176, 0.1854



31.4365, 0.1848, 0.1563

Sweetspot

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



31.4382, 0.5464, 0.4025



73.6952, 0.3672, 0.3650



20.4834, 0.4797, 0.2428



15.0633, 0.3771, 0.3706



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.



31.4382, 0.5464, 0.4025



34.7937, 0.5519, 0.4000



77.1022, 0.4248, 0.5000



16.9899, 0.3281, 0.3402



16.9091, 0.5488, 0.4025



1.6044, 0.5273, 0.4195

Inverse Universe

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



22.3682, 0.1806, 0.1687



24.4316, 0.1789, 0.1640



6.7010, 0.1513, 0.0629



16.6097, 0.2980, 0.3176



11.9747, 0.1798, 0.1672



1.1953, 0.1861, 0.1901

Previews

White Background



This preview shows how the Yxy color 31.4365, 0.5464, 0.4025 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 31.4365, 0.5464, 0.4025 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 31.4365, 0.5464, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 31.4365, 0.5464, 0.4025.



This preview shows how white text looks on a background with the Yxy color 31.4365, 0.5464, 0.4025.

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

31.4365, 0.5464, 0.4025

Protanopia

31.6110, 0.4358, 0.4825

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.4313, 0.4709, 0.3223

Trichromacy



Original Color

31.4365, 0.5464, 0.4025

Protanomaly

30.6639, 0.4789, 0.4519

Deuteranomaly

31.0340, 0.5002, 0.4403

Tritanomaly

31.1648, 0.5138, 0.3634

Monochromacy



Original Color

31.4365, 0.5464, 0.4025

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6223, 0.4121, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4365, 0.5464, 0.4025 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(241, 117, 6)` looks like.

```
.text, #text, p{  
    color:rgb(241, 117, 6)  
}
```

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(241, 117, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 117, 6) }
```

Border

The CSS property to change the border of an element to Yxy 31.4365, 0.5464, 0.4025 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(241, 117, 6) }
```

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

```
.border{ border-color:rgb(241, 117, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 117, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 117, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 117, 6);  
box-shadow:4px 4px 4px 4px rgb(241, 117,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4365, 0.5464, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 117, 6) }
```

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

```
.background{ background-color: rgb(241,  
117, 6) }
```

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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