

Converting Colors

$Yxy(31.4554, 0.3500, 0.5004)$

Have a look what the booklet for
Yxy(31.4554, 0.3500, 0.5004)
contains.

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Color

Yxy(31.4718, 0.3493, 0.5002)

Conversions

Conversions Part 1

Format	Color
Hex	76A63E
RGB	118, 166, 62
RGB Percent	46%, 65%, 24%
CMY	0.5372, 0.3490, 0.7570
CMYK	0.29, 0.00, 0.63, 0.35
HSL	88°, 46%, 45%
HSV	88°, 63%, 65%
XYZ	21.9774, 31.4718, 9.4692
YIQ	139.7920, 4.7760, -42.5200

Conversions

Conversions Part 2

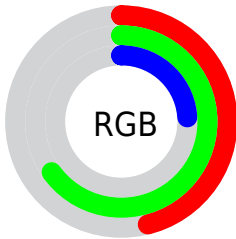
Format	Color
RYB	62, 166, 110
Decimal	7775806
CIELab	62.90, -33.21, 47.43
CIELCh	63, 57.904, 125.001
Yxy	31.4718, 0.3493, 0.5002
Android (android.graphics.Color)	4285965886 (0xFF76A63E)
YUV	139.7920, -38.3515, -19.1116
Hunter-Lab	56.0997, -28.2461, 29.2621

Details

The Yxy color **31.4718, 0.3493, 0.5002** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.5080, 0.2438, 0.1542**, and the grayscale version is **26.2912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8120, 0.3459, 0.4635**, and **13.1628, 0.3487, 0.5593** is the 20% darker color. If you saturate the color by 10%, you get **30.8034, 0.3503, 0.5241**, and if you desaturate by 10%, it is **32.2422, 0.3462, 0.4733**.

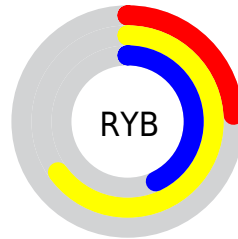
Distribution



Red (46%)

Green (65%)

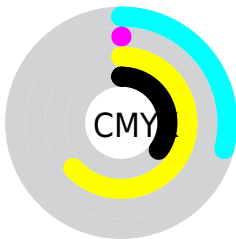
Blue (24%)



Red (24%)

Yellow (65%)

Blue (43%)

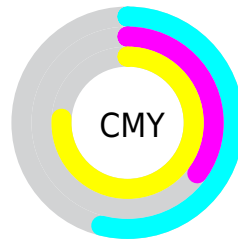


Cyan (29%)

Magenta (0%)

Yellow (63%)

Black (35%)



Cyan (54%)


Magenta (35%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4718, 0.3493, 0.5002 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 31.4718, 0.3493, 0.5002 by changing the saturation by 10% instead.


 31.4718, 0.3493,
0.5002


 31.4718, 0.3493,
0.5002


308.7060, 0.3352,
0.4057

 20.9584, 0.3501,
0.5258


 61.9821, 0.3458,
0.4641


 13.0936, 0.3489,
0.5590


 82.7478, 0.3440,
0.4510

 7.4930, 0.3434,
0.6042


 107.6997, 0.3422,
0.4402

 3.7723, 0.3289,
0.6711

 137.2222, 0.3405,
0.4311

 1.5470, 0.2612,
0.7388

 171.6997, 0.3390,
0.4233

 0.3215, 0.0000,
1.0000

211.5165, 0.3376,

 0.0000, 0.0000,

0.4166

0.0000

257.0572, 0.3363,
0.4108

■ 31.4718, 0.3493,
0.5002

■ 31.4718, 0.3493,
0.5002

■ 30.8034, 0.3503,
0.5241

■ 32.2422, 0.3462,
0.4733

■ 30.2265, 0.3492,
0.5436

■ 33.1159, 0.3415,
0.4447

■ 29.7352, 0.3458,
0.5581

■ 34.0996, 0.3356,
0.4157

■ 29.4182, 0.3425,
0.5662

■ 35.1977, 0.3290,
0.3874

■ 36.4148, 0.3219,
0.3605

■ 37.7550, 0.3146,
0.3354

■ 39.2221, 0.3075,
0.3123

■ 40.8197, 0.3006,
0.2914

■ 42.5516, 0.2941,
0.2725

Harmonies

Analogous

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



31.4718, 0.4293, 0.4724



31.4718, 0.3493, 0.5002



31.4718, 0.2643, 0.4597

Triad

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



31.4718, 0.3493, 0.5002



31.4718, 0.1631, 0.2147



31.4718, 0.4354, 0.2863

Complementary

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



31.4718, 0.3493, 0.5002



9.5080, 0.2438, 0.1542

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.



31.4718, 0.3439, 0.2353



31.4718, 0.3493, 0.5002



31.4718, 0.1934, 0.1946

Square

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



31.4718, 0.3493, 0.5002



31.4718, 0.1636, 0.2701



31.4718, 0.2551, 0.2029



31.4718, 0.4889, 0.3477

Rectangle

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



31.4718, 0.3493, 0.5002



31.4718, 0.2163, 0.3974



31.4718, 0.2551, 0.2029



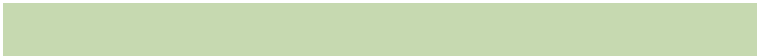
31.4718, 0.4071, 0.2677

Sweetspot

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



31.4732, 0.3493, 0.5002



64.5865, 0.3266, 0.3783



19.3463, 0.4543, 0.3988



14.3209, 0.3286, 0.3859



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.4732, 0.3493, 0.5002



55.4944, 0.3502, 0.5319



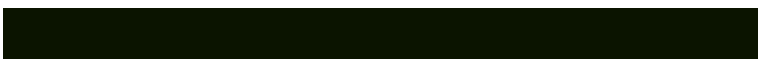
28.8202, 0.3067, 0.5251



8.5992, 0.3194, 0.3518



22.8397, 0.3432, 0.5657



0.5856, 0.3683, 0.5458

Inverse Universe

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



9.5080, 0.2438, 0.1542



12.3338, 0.2248, 0.1211



13.7518, 0.3122, 0.1845



7.4637, 0.3055, 0.3062



3.3721, 0.1967, 0.0857



0.1127, 0.2359, 0.1073

Previews

White Background



This preview shows how the Yxy color 31.4718, 0.3493, 0.5002 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 31.4718, 0.3493, 0.5002 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 31.4718, 0.3493, 0.5002

Background



This preview shows how black text looks on a background with the Yxy color 31.4718, 0.3493, 0.5002.



This preview shows how white text looks on a background with the Yxy color 31.4718, 0.3493, 0.5002.

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

31.4718, 0.3493, 0.5002

Protanopia

31.1970, 0.4165, 0.4582

Deuteranopia

31.0676, 0.4366, 0.4267



Tritanopia

31.1754, 0.2801, 0.3085

Trichromacy



Original Color

31.4718, 0.3493, 0.5002

Protanomaly

30.9137, 0.3905, 0.4748

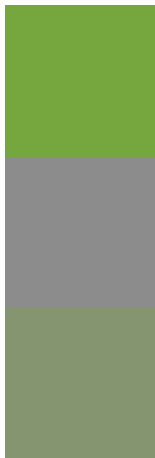
Deuteranomaly

30.6364, 0.4042, 0.4533

Tritanomaly

30.8933, 0.3085, 0.3795

Monochromacy



Original Color

31.4718, 0.3493, 0.5002

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5703, 0.3304, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4718, 0.3493, 0.5002 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(118, 166, 62)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 62)  
}
```

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(118, 166, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 62) }
```

Border

The CSS property to change the border of an element to Yxy 31.4718, 0.3493, 0.5002 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(118, 166, 62) }
```

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

```
.border{ border-color:rgb(118, 166, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 62);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4718, 0.3493, 0.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 62) }
```

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

```
.background{ background-color: rgb(118,  
166, 62) }
```

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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