

Converting Colors

Yxy(31.4484, 0.3245, 0.4587)

Have a look what the booklet for
Yxy(31.4484, 0.3245, 0.4587)
contains.

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Color

Yxy(31.4725, 0.3243, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	70A65B
RGB	112, 166, 91
RGB Percent	44%, 65%, 36%
CMY	0.5607, 0.3490, 0.6432
CMYK	0.33, 0.00, 0.45, 0.35
HSL	103°, 30%, 50%
HSV	103°, 45%, 65%
XYZ	22.2074, 31.4725, 14.7981
YIQ	141.3040, -8.1090, -34.7730

Conversions

Conversions Part 2

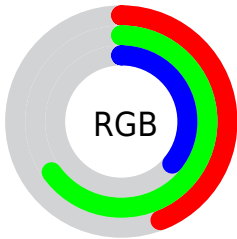
Format	Color
R_{YB}	91, 166, 145
Decimal	7382619
CIE _{Lab}	62.90, -32.15, 33.21
CIE _{LCh}	63, 46.225, 134.066
Yxy	31.4725, 0.3243, 0.4596
Android (android.graphics.Color)	4285572699 (0xFF70A65B)
YUV	141.3040, -24.7999, -25.6996
Hunter-Lab	56.1004, -27.5161, 23.6308

Details

The Yxy color **31.4725, 0.3243, 0.4596** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2501, 0.2911, 0.2122**, and the grayscale version is **26.8645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7729, 0.3242, 0.4311**, and **13.1697, 0.3214, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **30.4859, 0.3250, 0.4917**, and if you desaturate by 10%, it is **32.6292, 0.3227, 0.4275**.

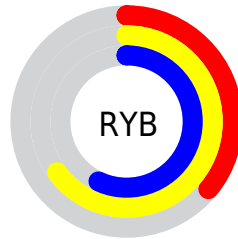
Distribution



Red (44%)

Green (65%)

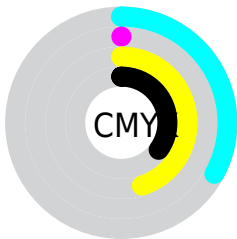
Blue (36%)



Red (36%)

Yellow (65%)

Blue (57%)

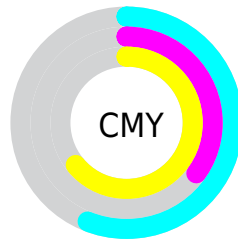


Cyan (33%)

Magenta (0%)

Yellow (45%)

Black (35%)



Cyan (56%)

Magenta (35%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4725, 0.3243, 0.4596 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 31.4725, 0.3243, 0.4596 by changing the saturation by 10% instead.

 31.4725, 0.3243,
0.4596

 31.4725, 0.3243,
0.4596


308.7093, 0.3208,
0.3865


 20.9589, 0.3239,
0.4805


 61.9832, 0.3239,
0.4311

 13.0940, 0.3222,
0.5089


 82.7491, 0.3234,
0.4210

 7.4933, 0.3177,
0.5492


 107.7013, 0.3229,
0.4127

 3.7725, 0.3102,
0.6180

 137.2240, 0.3225,
0.4057

 1.5471, 0.2703,
0.7297

171.7018, 0.3220,
0.3998

 0.3215, 0.0000,
1.0000

211.5190, 0.3216,

 0.0000, 0.0000,

0.3948

0.0000

257.0600, 0.3212,
0.3904

■ 31.4725, 0.3243,
0.4596

■ 31.4725, 0.3243,
0.4596

■ 30.4859, 0.3250,
0.4917

■ 32.6292, 0.3227,
0.4275

■ 29.6570, 0.3244,
0.5220

■ 33.9595, 0.3203,
0.3966

■ 28.9781, 0.3225,
0.5486

■ 35.4721, 0.3175,
0.3678


■ 28.4391, 0.3192,
0.5697


■ 37.1737, 0.3144,
0.3416

■ 28.0281, 0.3149,
0.5841

■ 39.0707, 0.3112,
0.3180

 27.8664, 0.3129,
0.5897

 41.1691, 0.3080,
0.2970

 43.4749, 0.3049,
0.2785

 45.9935, 0.3019,
0.2622

 48.7304, 0.2991,
0.2479

Harmonies

Analogous

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



31.4725, 0.3929, 0.4572



31.4725, 0.3243, 0.4596



31.4725, 0.2563, 0.4105

Triad

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



31.4725, 0.3243, 0.4596



31.4725, 0.1931, 0.2278



31.4725, 0.4281, 0.3107

Complementary

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



31.4725, 0.3243, 0.4596



16.2501, 0.2911, 0.2122

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.



31.4725, 0.3619, 0.2634



31.4725, 0.3243, 0.4596



31.4725, 0.2274, 0.2171

Square

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



31.4725, 0.3243, 0.4596



31.4725, 0.1859, 0.2663



31.4725, 0.2870, 0.2302



31.4725, 0.4584, 0.3647

Rectangle

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



31.4725, 0.3243, 0.4596



31.4725, 0.2206, 0.3593



31.4725, 0.2870, 0.2302



31.4725, 0.4089, 0.2938

Sweetspot

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



31.4739, 0.3243, 0.4596



64.6497, 0.3172, 0.3653



29.0358, 0.3914, 0.4103



14.3315, 0.3178, 0.3710



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.



31.4739, 0.3243, 0.4596



55.3586, 0.3250, 0.4911



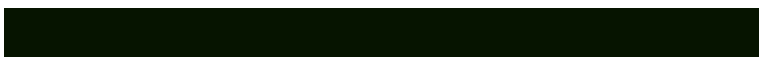
30.5630, 0.2946, 0.4368



8.5058, 0.3157, 0.3520



21.6294, 0.3135, 0.5893



0.5514, 0.3392, 0.5688

Inverse Universe

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



16.2501, 0.2911, 0.2122



24.2374, 0.2846, 0.1876



17.7808, 0.3390, 0.2416



7.5594, 0.3095, 0.3064



5.2261, 0.2522, 0.1163



0.1508, 0.2761, 0.1294

Previews

White Background



This preview shows how the Yxy color 31.4725, 0.3243, 0.4596 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 31.4725, 0.3243, 0.4596 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 31.4725, 0.3243, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 31.4725, 0.3243, 0.4596.



This preview shows how white text looks on a background with the Yxy color 31.4725, 0.3243, 0.4596.

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

31.4725, 0.3243, 0.4596

Protanopia

31.2353, 0.3912, 0.4268

Deuteranopia

31.1626, 0.4055, 0.3978



Tritanopia

31.3762, 0.2729, 0.3083

Trichromacy



Original Color

31.4725, 0.3243, 0.4596

Protanomaly

30.9295, 0.3644, 0.4390

Deuteranomaly

30.7587, 0.3734, 0.4204

Tritanomaly

31.0578, 0.2920, 0.3609

Monochromacy



Original Color

31.4725, 0.3243, 0.4596

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.9886, 0.3177, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4725, 0.3243, 0.4596 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(112, 166, 91)` looks like.

```
.text, #text, p{  
    color:rgb(112, 166, 91)  
}
```

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(112, 166, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 166, 91) }
```

Border

The CSS property to change the border of an element to Yxy 31.4725, 0.3243, 0.4596 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(112, 166, 91) }
```

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

```
.border{ border-color:rgb(112, 166, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 166, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 166, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 166, 91);  
box-shadow:4px 4px 4px 4px rgb(112, 166,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4725, 0.3243, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 166, 91) }
```

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

```
.background{ background-color: rgb(112,  
166, 91) }
```

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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