

Converting Colors

$Yxy(29.3647, 0.3137, 0.4984)$

Have a look what the booklet for
Yxy(29.3647, 0.3137, 0.4984)
contains.

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Color

Yxy(29.3697, 0.3142, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	56A549
RGB	86, 165, 73
RGB Percent	34%, 65%, 29%
CMY	0.6629, 0.3529, 0.7138
CMYK	0.48, 0.00, 0.56, 0.35
HSL	112°, 39%, 47%
HSV	112°, 56%, 65%
XYZ	18.4929, 29.3697, 10.9945
YIQ	130.8910, -17.5520, -45.3600

Conversions

Conversions Part 2

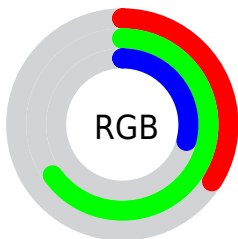
Format	Color
R_{YB}	73, 165, 152
Decimal	5678409
CIE _{Lab}	61.11, -42.63, 39.81
CIE _{LCh}	61, 58.325, 136.957
Yxy	29.3697, 0.3142, 0.4990
Android (android.graphics.Color)	4283868489 (0xFF56A549)
YUV	130.8910, -28.5403, -39.3694
Hunter-Lab	54.1938, -33.9285, 25.9073

Details

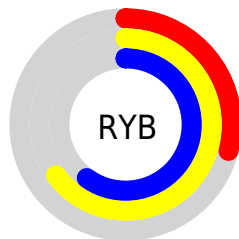
The Yxy color **29.3697, 0.3142, 0.4990** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.1576, 0.3012, 0.1927**, and the grayscale version is **22.7620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8309, 0.3172, 0.4611**, and **11.8793, 0.3045, 0.5661** is the 20% darker color. If you saturate the color by 10%, you get **28.5733, 0.3127, 0.5307**, and if you desaturate by 10%, it is **30.3600, 0.3150, 0.4653**.

Distribution



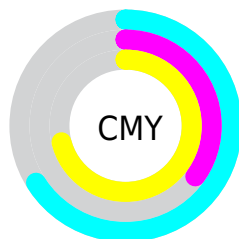
- Red (34%)
- Green (65%)
- Blue (29%)



- Red (29%)
- Yellow (65%)
- Blue (60%)



- Cyan (48%)
- Magenta (0%)
- Yellow (56%)
- Black (35%)




- Cyan (66%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3697, 0.3142, 0.4990 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 29.3697, 0.3142, 0.4990 by changing the saturation by 10% instead.


 29.3697, 0.3142,
0.4990


 29.3697, 0.3142,
0.4990


298.9553, 0.3181,
0.4018

 19.3607, 0.3107,
0.5273


 58.6640, 0.3172,
0.4607

 11.9312, 0.3040,
0.5658


 78.7180, 0.3178,
0.4472


 6.6968, 0.2906,
0.6199


 102.8891, 0.3181,
0.4361

 3.2732, 0.2728,
0.7272

 131.5617, 0.3183,
0.4270

 1.2760, 0.0912,
0.9088

 165.1203, 0.3183,
0.4192

 0.1225, 0.0000,
1.0000

203.9491, 0.3183,

 0.0000, 0.0000,

0.4126

0.0000

248.4327, 0.3182,
0.4069

■ 29.3697, 0.3142,
0.4990

■ 29.3697, 0.3142,
0.4990

■ 28.5733, 0.3127,
0.5307

■ 30.3600, 0.3150,
0.4653

■ 27.9545, 0.3106,
0.5580

■ 31.5520, 0.3152,
0.4316

■ 27.5003, 0.3080,
0.5789

■ 32.9574, 0.3149,
0.3995

■ 27.1937, 0.3051,
0.5923

■ 34.5861, 0.3142,
0.3698

■ 27.0986, 0.3042,
0.5967

■ 36.4473, 0.3133,
0.3431

■ 38.5497, 0.3123,
0.3193

■ 40.9015, 0.3111,
0.2985

■ 43.5104, 0.3100,
0.2803

■ 46.3841, 0.3088,
0.2644

Harmonies

Analogous

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



29.3697, 0.4010, 0.4939



29.3697, 0.3142, 0.4990



29.3697, 0.2316, 0.4277

Triad

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



29.3697, 0.3142, 0.4990



29.3697, 0.1681, 0.1997



29.3697, 0.4678, 0.3090

Complementary

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



29.3697, 0.3142, 0.4990



14.1576, 0.3012, 0.1927

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.



29.3697, 0.3843, 0.2518



29.3697, 0.3142, 0.4990



29.3697, 0.2115, 0.1916

Square

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



29.3697, 0.3142, 0.4990



29.3697, 0.1560, 0.2406



29.3697, 0.2871, 0.2103



29.3697, 0.4987, 0.3737

Rectangle

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



29.3697, 0.3142, 0.4990



29.3697, 0.1907, 0.3562



29.3697, 0.2871, 0.2103



29.3697, 0.4443, 0.2888

Sweetspot

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



29.3709, 0.3142, 0.4990



61.4582, 0.3143, 0.3742



30.6801, 0.4017, 0.4430



13.3121, 0.3145, 0.3797



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.3709, 0.3142, 0.4990



50.8663, 0.3123, 0.5379



29.3529, 0.2834, 0.4433



7.9408, 0.3136, 0.3521



20.5121, 0.3046, 0.5963



0.4440, 0.3220, 0.5825

Inverse Universe

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



14.1576, 0.3012, 0.1927



20.7946, 0.2972, 0.1687



14.4512, 0.3668, 0.2396



7.1513, 0.3116, 0.3067



6.4031, 0.2862, 0.1350



0.1475, 0.2996, 0.1424

Previews

White Background



This preview shows how the Yxy color 29.3697, 0.3142, 0.4990 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3697, 0.3142, 0.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

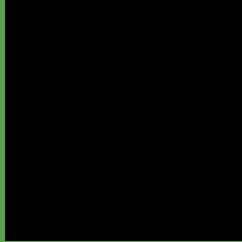
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3697, 0.3142, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 29.3697, 0.3142, 0.4990.



This preview shows how white text looks on a background with the Yxy color 29.3697, 0.3142, 0.4990.

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

29.3697, 0.3142, 0.4990

Protanopia

29.0592, 0.4077, 0.4462

Deuteranopia

28.9191, 0.4205, 0.4134



Tritanopia

29.2731, 0.2583, 0.3072

Trichromacy



Original Color

29.3697, 0.3142, 0.4990



Protanomaly

28.6918, 0.3691, 0.4681



Deuteranomaly

28.0505, 0.3772, 0.4453



Tritanomaly

29.0864, 0.2799, 0.3757

Monochromacy



Original Color

29.3697, 0.3142, 0.4990



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.4155, 0.3151, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3697, 0.3142, 0.4990 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(86, 165, 73)` looks like.

```
.text, #text, p{  
    color:rgb(86, 165, 73)  
}
```

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(86, 165, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 165, 73) }
```

Border

The CSS property to change the border of an element to Yxy 29.3697, 0.3142, 0.4990 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(86, 165, 73) }
```

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

```
.border{ border-color:rgb(86, 165, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 165, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 165, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 165, 73);  
box-shadow:4px 4px 4px 4px rgb(86, 165,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3697, 0.3142, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 165, 73) }
```

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

```
.background{ background-color: rgb(86, 165,  
73) }
```

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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