

Converting Colors

$Yxy(29.2401, 0.3266, 0.4689)$

Have a look what the booklet for
Yxy(29.2401, 0.3266, 0.4689)
contains.

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Color

Yxy(29.2401, 0.3266, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	6BA153
RGB	107, 161, 83
RGB Percent	42%, 63%, 33%
CMY	0.5805, 0.3686, 0.6745
CMYK	0.34, 0.00, 0.48, 0.37
HSL	102°, 32%, 48%
HSV	102°, 48%, 63%
XYZ	20.3664, 29.2401, 12.7524
YIQ	135.9620, -7.1460, -35.7060

Conversions

Conversions Part 2

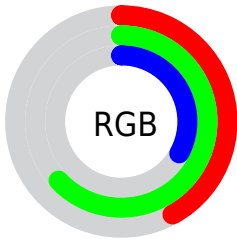
Format	Color
R_{YB}	83, 161, 137
Decimal	7053651
CIE _{Lab}	60.99, -32.67, 34.89
CIE _{LCh}	61, 47.798, 133.111
Yxy	29.2401, 0.3266, 0.4689
Android (android.graphics.Color)	4285243731 (0xFF6BA153)
YUV	135.9620, -26.1103, -25.3997
Hunter-Lab	54.0741, -27.3996, 23.8694

Details

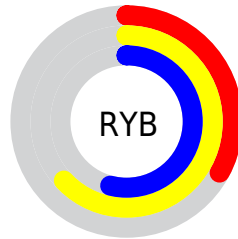
The Yxy color **29.2401, 0.3266, 0.4689** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.0805, 0.2863, 0.2031**, and the grayscale version is **24.7050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4100, 0.3263, 0.4375**, and **11.8709, 0.3235, 0.5227** is the 20% darker color. If you saturate the color by 10%, you get **28.3738, 0.3272, 0.5002**, and if you desaturate by 10%, it is **30.2558, 0.3249, 0.4370**.

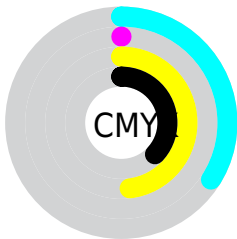
Distribution



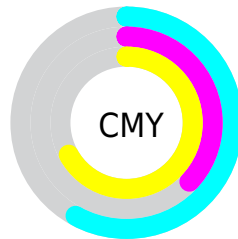
- Red (42%)
- Green (63%)
- Blue (33%)



- Red (33%)
- Yellow (63%)
- Blue (54%)



- Cyan (34%)
- Magenta (0%)
- Yellow (48%)
- Black (37%)




- Cyan (58%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2401, 0.3266, 0.4689 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 29.2401, 0.3266, 0.4689 by changing the saturation by 10% instead.


 29.2401, 0.3266,
0.4689


 29.2401, 0.3266,
0.4689


298.3461, 0.3223,
0.3897


 19.2625, 0.3261,
0.4918


 58.4583, 0.3260,
0.4378

 11.8601, 0.3241,
0.5231


 78.4678, 0.3254,
0.4268


 6.6485, 0.3183,
0.5676


 102.5900, 0.3248,
0.4178

 3.2433, 0.3173,
0.6641

 131.2094, 0.3243,
0.4103

 1.2600, 0.2219,
0.7781

 164.7103, 0.3237,
0.4040

 0.1099, 0.0000,
1.0000

203.4771, 0.3232,

 0.0000, 0.0000,

0.3986

0.0000

247.8943, 0.3227,
0.3938

■ 29.2401, 0.3266,
0.4689

■ 29.2401, 0.3266,
0.4689

■ 28.3738, 0.3272,
0.5002

■ 30.2558, 0.3249,
0.4370

■ 27.6458, 0.3264,
0.5291

■ 31.4241, 0.3223,
0.4060

■ 27.0490, 0.3242,
0.5539


■ 32.7525, 0.3192,
0.3767


■ 26.5744, 0.3206,
0.5729

■ 34.2472, 0.3157,
0.3498

■ 26.2076, 0.3160,
0.5859


■ 35.9139, 0.3122,
0.3254

 26.1580, 0.3154,
0.5878

 37.7578, 0.3086,
0.3036

 39.7844, 0.3051,
0.2843

 41.9984, 0.3017,
0.2672

 44.4046, 0.2985,
0.2522

Harmonies

Analogous

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



29.2401, 0.3986, 0.4633



29.2401, 0.3266, 0.4689



29.2401, 0.2548, 0.4183

Triad

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



29.2401, 0.3266, 0.4689



29.2401, 0.1865, 0.2231



29.2401, 0.4333, 0.3075

Complementary

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



29.2401, 0.3266, 0.4689



14.0805, 0.2863, 0.2031

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.



29.2401, 0.3620, 0.2586



29.2401, 0.3266, 0.4689



29.2401, 0.2213, 0.2114

Square

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



29.2401, 0.3266, 0.4689



29.2401, 0.1798, 0.2640



29.2401, 0.2829, 0.2246



29.2401, 0.4666, 0.3637

Rectangle

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



29.2401, 0.3266, 0.4689



29.2401, 0.2169, 0.3636



29.2401, 0.2829, 0.2246



29.2401, 0.4124, 0.2900

Sweetspot

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



29.2414, 0.3266, 0.4689



59.4657, 0.3181, 0.3679



25.8968, 0.3994, 0.4120



12.9296, 0.3188, 0.3734



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.2414, 0.3266, 0.4689



50.7184, 0.3272, 0.5021



28.2005, 0.2956, 0.4509



7.9957, 0.3160, 0.3519



20.9082, 0.3159, 0.5873



0.4632, 0.3445, 0.5647

Inverse Universe

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



14.0805, 0.2863, 0.2031



20.3104, 0.2783, 0.1768



15.8610, 0.3376, 0.2325



7.0925, 0.3091, 0.3065



4.8037, 0.2459, 0.1128



0.1240, 0.2745, 0.1286

Previews

White Background



This preview shows how the Yxy color 29.2401, 0.3266, 0.4689 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 29.2401, 0.3266, 0.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

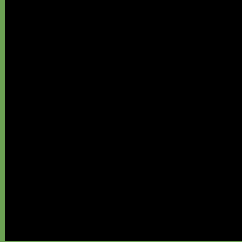
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2401, 0.3266, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 29.2401, 0.3266, 0.4689.



This preview shows how white text looks on a background with the Yxy color 29.2401, 0.3266, 0.4689.

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

29.2401, 0.3266, 0.4689

Protanopia

28.9946, 0.3962, 0.4333

Deuteranopia

28.9257, 0.4115, 0.4035



Tritanopia

29.1299, 0.2726, 0.3092

Trichromacy



Original Color

29.2401, 0.3266, 0.4689

Protanomaly

28.6984, 0.3683, 0.4467

Deuteranomaly

28.5271, 0.3779, 0.4275

Tritanomaly

28.8368, 0.2922, 0.3638

Monochromacy



Original Color

29.2401, 0.3266, 0.4689

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.8951, 0.3188, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2401, 0.3266, 0.4689 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(107, 161, 83)` looks like.

```
.text, #text, p{  
    color:rgb(107, 161, 83)  
}
```

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(107, 161, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 161, 83) }
```

Border

The CSS property to change the border of an element to Yxy 29.2401, 0.3266, 0.4689 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(107, 161, 83) }
```

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

```
.border{ border-color:rgb(107, 161, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 161, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 161, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 161, 83);  
box-shadow:4px 4px 4px 4px rgb(107, 161,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2401, 0.3266, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 161, 83) }
```

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

```
.background{ background-color: rgb(107,  
161, 83) }
```

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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