

Converting Colors

$Yxy(30.2507, 0.2786, 0.4592)$

Have a look what the booklet for
Yxy(30.2507, 0.2786, 0.4592)
contains.

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Color

Yxy(30.2453, 0.2789, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	3BA965
RGB	59, 169, 101
RGB Percent	23%, 66%, 40%
CMY	0.7684, 0.3373, 0.6040
CMYK	0.65, 0.00, 0.40, 0.34
HSL	143°, 48%, 45%
HSV	143°, 65%, 66%
XYZ	18.3418, 30.2453, 17.1778
YIQ	128.3580, -43.7320, -44.4680

Conversions

Conversions Part 2

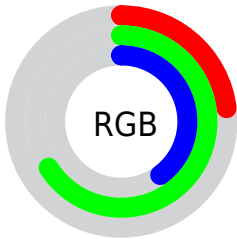
Format	Color
RYB	59, 139, 169
Decimal	3909989
CIELab	61.87, -46.69, 26.18
CIELCh	62, 53.528, 150.717
Yxy	30.2453, 0.2789, 0.4599
Android (android.graphics.Color)	4282100069 (0xFF3BA965)
YUV	128.3580, -13.4875, -60.8270
Hunter-Lab	54.9957, -36.7103, 19.9779

Details

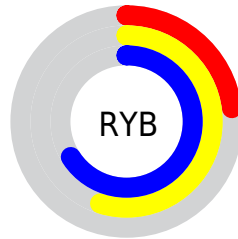
The Yxy color **30.2453, 0.2789, 0.4599** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.1022, 0.3862, 0.2325**, and the grayscale version is **21.7810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0019, 0.2873, 0.4293**, and **12.7478, 0.2744, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **29.6186, 0.2778, 0.4836**, and if you desaturate by 10%, it is **31.0678, 0.2816, 0.4362**.

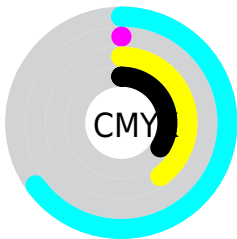
Distribution



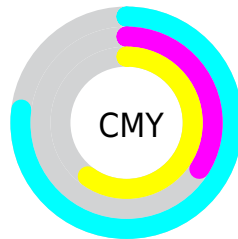
- Red (23%)
- Green (66%)
- Blue (40%)



- Red (23%)
- Yellow (55%)
- Blue (66%)



- Cyan (65%)
- Magenta (0%)
- Yellow (40%)
- Black (34%)



- Cyan (77%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2453, 0.2789, 0.4599 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 30.2453, 0.2789, 0.4599 by changing the saturation by 10% instead.


 30.2453, 0.2789,
0.4599


 30.2453, 0.2789,
0.4599


303.0462, 0.2996,
0.3850


 20.0249, 0.2721,
0.4823


 60.0499, 0.2875,
0.4301


 12.4131, 0.2621,
0.5135


 80.4028, 0.2904,
0.4197


 7.0257, 0.2464,
0.5597


 104.9020, 0.2927,
0.4112

 3.4782, 0.2193,
0.6340

 133.9319, 0.2946,
0.4042

 1.3862, 0.0728,
0.9272

 167.8769, 0.2962,
0.3983

 0.2065, 0.0000,
1.0000

207.1213, 0.2975,

 0.0000, 0.0000,

0.3932

0.0000

252.0496, 0.2986,
0.3888

■ 30.2453, 0.2789,
0.4599

■ 30.2453, 0.2789,
0.4599

■ 29.6186, 0.2778,
0.4836

■ 31.0678, 0.2816,
0.4362

■ 29.1661, 0.2786,
0.5064

■ 32.0978, 0.2856,
0.4131

■ 28.8672, 0.2810,
0.5273

■ 33.3504, 0.2908,
0.3914

■ 28.7513, 0.2825,
0.5369

■ 34.8383, 0.2966,
0.3713

■ 36.5732, 0.3029,
0.3530

■ 38.5659, 0.3094,
0.3366

■ 40.8267, 0.3159,
0.3220

■ 43.3652, 0.3224,
0.3092

■ 46.1906, 0.3286,
0.2979

Harmonies

Analogous

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



30.2453, 0.3601, 0.4888



30.2453, 0.2789, 0.4599



30.2453, 0.2114, 0.3746

Triad

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



30.2453, 0.2789, 0.4599



30.2453, 0.1937, 0.2026



30.2453, 0.4742, 0.3393

Complementary

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



30.2453, 0.2789, 0.4599



13.1022, 0.3862, 0.2325

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.



30.2453, 0.4169, 0.2814



30.2453, 0.2789, 0.4599



30.2453, 0.2485, 0.2067

Square

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



30.2453, 0.2789, 0.4599



30.2453, 0.1689, 0.2267



30.2453, 0.3295, 0.2346



30.2453, 0.4777, 0.4012

Rectangle

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



30.2453, 0.2789, 0.4599



30.2453, 0.1828, 0.3122



30.2453, 0.3295, 0.2346



30.2453, 0.4605, 0.3192

Sweetspot

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



30.2465, 0.2789, 0.4599



63.7978, 0.2995, 0.3624



33.3348, 0.3599, 0.5003



13.7276, 0.2978, 0.3674



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.



30.2465, 0.2789, 0.4599



52.6572, 0.2779, 0.4936



31.6518, 0.2451, 0.3549



8.4533, 0.3066, 0.3433



21.4379, 0.2819, 0.5350



0.5316, 0.2627, 0.4656

Inverse Universe

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



13.1022, 0.3862, 0.2325



19.5760, 0.4103, 0.2218



12.0586, 0.4917, 0.3095



7.6174, 0.3193, 0.3151



7.0505, 0.4438, 0.2218



0.1810, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 30.2453, 0.2789, 0.4599 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 30.2453, 0.2789, 0.4599 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 30.2453, 0.2789, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 30.2453, 0.2789, 0.4599.



This preview shows how white text looks on a background with the Yxy color 30.2453, 0.2789, 0.4599.

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

30.2453, 0.2789, 0.4599

Protanopia

29.6515, 0.3828, 0.4133

Deuteranopia

29.6376, 0.3880, 0.3804



Tritanopia

29.9977, 0.2422, 0.3069

Trichromacy



Original Color

30.2453, 0.2789, 0.4599



Protanomaly

28.9814, 0.3356, 0.4331



Deuteranomaly

28.4629, 0.3372, 0.4093



Tritanomaly

29.7568, 0.2547, 0.3578

Monochromacy



Original Color

30.2453, 0.2789, 0.4599



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.8365, 0.2953, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2453, 0.2789, 0.4599 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(59, 169, 101)` looks like.

```
.text, #text, p{  
    color:rgb(59, 169, 101)  
}
```

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(59, 169, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 169, 101) }
```

Border

The CSS property to change the border of an element to Yxy 30.2453, 0.2789, 0.4599 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(59, 169, 101) }
```

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

```
.border{ border-color:rgb(59, 169, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 169, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 169, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 169, 101);  
box-shadow:4px 4px 4px 4px rgb(59, 169,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2453, 0.2789, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 169, 101) }
```

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

```
.background{ background-color: rgb(59, 169,  
101) }
```

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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