

Converting Colors

$Yxy(28.5158, 0.3126, 0.4532)$

Have a look what the booklet for
Yxy(28.5158, 0.3126, 0.4532)
contains.

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Color

Yxy(28.5846, 0.3120, 0.4529)

Conversions

Conversions Part 1

Format	Color
Hex	63A05D
RGB	99, 160, 93
RGB Percent	39%, 63%, 36%
CMY	0.6118, 0.3725, 0.6352
CMYK	0.38, 0.00, 0.42, 0.37
HSL	115°, 26%, 50%
HSV	115°, 42%, 63%
XYZ	19.6918, 28.5846, 14.8382
YIQ	134.1230, -14.8490, -33.7690

Conversions

Conversions Part 2

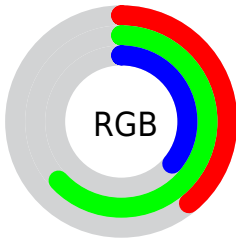
Format	Color
R_{YB}	93, 160, 154
Decimal	6529117
CIE _{Lab}	60.41, -33.51, 28.83
CIE _{LCh}	60, 44.201, 139.296
Yxy	28.5846, 0.3120, 0.4529
Android (android.graphics.Color)	4284719197 (0xFF63A05D)
YUV	134.1230, -20.2736, -30.8029
Hunter-Lab	53.4646, -27.8189, 20.9702

Details

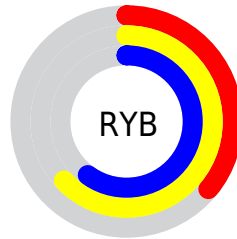
The Yxy color **28.5846, 0.3120, 0.4529** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2422, 0.3097, 0.2263**, and the grayscale version is **23.9680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2899, 0.3137, 0.4250**, and **11.5189, 0.3065, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **27.5833, 0.3110, 0.4873**, and if you desaturate by 10%, it is **29.7958, 0.3126, 0.4193**.

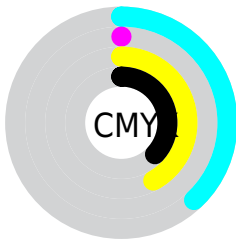
Distribution



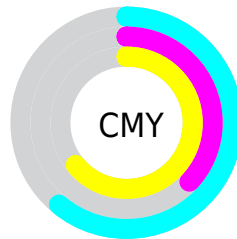
- Red (39%)
- Green (63%)
- Blue (36%)



- Red (36%)
- Yellow (63%)
- Blue (60%)



- Cyan (38%)
- Magenta (0%)
- Yellow (42%)
- Black (37%)



- Cyan (61%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5846, 0.3120, 0.4529 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 28.5846, 0.3120, 0.4529 by changing the saturation by 10% instead.


 28.5846, 0.3120,
0.4529


 28.5846, 0.3120,
0.4529

295.2499, 0.3148,
0.3823

 18.7668, 0.3100,
0.4738


 57.4164, 0.3138,
0.4249


 11.5019, 0.3064,
0.5029


 77.1993, 0.3142,
0.4151

 6.4055, 0.2991,
0.5454


 101.0726, 0.3145,
0.4071

 3.0932, 0.2879,
0.6225

 129.4207, 0.3146,
0.4005

 1.1806, 0.1904,
0.8096

162.6282, 0.3147,
0.3949

 0.0457, 0.0000,
1.0000

201.0792, 0.3148,

 0.0000, 0.0000,

0.3901

0.0000

245.1583, 0.3148,
0.3859

■ 28.5846, 0.3120,
0.4529

■ 28.5846, 0.3120,
0.4529

■ 27.5833, 0.3110,
0.4873

■ 29.7958, 0.3126,
0.4193

■ 26.7765, 0.3096,
0.5204

■ 31.2240, 0.3129,
0.3877

■ 26.1526, 0.3078,
0.5500


■ 32.8804, 0.3129,
0.3590


■ 25.6972, 0.3058,
0.5737

■ 34.7746, 0.3128,
0.3334


■ 25.3935, 0.3036,
0.5897


■ 36.9152, 0.3125,
0.3109

 25.2387, 0.3023,
0.5981

 39.3109, 0.3121,
0.2913

 41.9695, 0.3116,
0.2743

 44.8988, 0.3112,
0.2596

 48.1061, 0.3107,
0.2469

Harmonies

Analogous

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



28.5846, 0.3811, 0.4593



28.5846, 0.3120, 0.4529



28.5846, 0.2468, 0.3969

Triad

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



28.5846, 0.3120, 0.4529



28.5846, 0.1984, 0.2252



28.5846, 0.4350, 0.3200

Complementary

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



28.5846, 0.3120, 0.4529



17.2422, 0.3097, 0.2263

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.



28.5846, 0.3742, 0.2715



28.5846, 0.3120, 0.4529



28.5846, 0.2370, 0.2189

Square

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



28.5846, 0.3120, 0.4529



28.5846, 0.1865, 0.2583



28.5846, 0.2996, 0.2357



28.5846, 0.4572, 0.3740

Rectangle

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



28.5846, 0.3120, 0.4529



28.5846, 0.2143, 0.3453



28.5846, 0.2996, 0.2357



28.5846, 0.4181, 0.3029

Sweetspot

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



28.5858, 0.3120, 0.4529



59.2566, 0.3129, 0.3628



31.1472, 0.3774, 0.4211



12.8528, 0.3129, 0.3687



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.



28.5858, 0.3120, 0.4529



50.2298, 0.3111, 0.4842



28.8225, 0.2863, 0.4032



7.4279, 0.3129, 0.3520



19.6685, 0.3026, 0.5979



0.3590, 0.3149, 0.5882

Inverse Universe

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



17.2422, 0.3097, 0.2263



26.8683, 0.3085, 0.2057



17.0044, 0.3540, 0.2656



6.7245, 0.3124, 0.3069



6.7278, 0.2990, 0.1421



0.1282, 0.3084, 0.1473

Previews

White Background



This preview shows how the Yxy color 28.5846, 0.3120, 0.4529 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 28.5846, 0.3120, 0.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

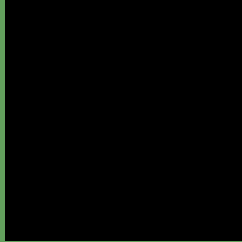
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5846, 0.3120, 0.4529

Background



This preview shows how black text looks on a background with the Yxy color 28.5846, 0.3120, 0.4529.



This preview shows how white text looks on a background with the Yxy color 28.5846, 0.3120, 0.4529.

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

28.5846, 0.3120, 0.4529

Protanopia

28.3098, 0.3870, 0.4191

Deuteranopia

28.3458, 0.3972, 0.3897



Tritanopia

28.5816, 0.2660, 0.3089

Trichromacy



Original Color

28.5846, 0.3120, 0.4529

Protanomaly

27.8523, 0.3570, 0.4319

Deuteranomaly

27.9150, 0.3633, 0.4126

Tritanomaly

28.4035, 0.2827, 0.3590

Monochromacy



Original Color

28.5846, 0.3120, 0.4529

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0418, 0.3128, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5846, 0.3120, 0.4529 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(99, 160, 93)` looks like.

```
.text, #text, p{  
    color:rgb(99, 160, 93)  
}
```

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(99, 160, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 160, 93) }
```

Border

The CSS property to change the border of an element to Yxy 28.5846, 0.3120, 0.4529 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(99, 160, 93) }
```

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

```
.border{ border-color:rgb(99, 160, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 160, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 160, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 160, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 160,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5846, 0.3120, 0.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 160, 93) }
```

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

```
.background{ background-color: rgb(99, 160,  
93) }
```

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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