

Converting Colors

Yxy(32.4411, 0.3294, 0.5119)

Have a look what the booklet for
Yxy(32.4411, 0.3294, 0.5119)
contains.

Yxy(32.5845, 0.3294, 0.5127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.5845, 0.3294, 0.5127)

Conversions

Conversions Part 1

Format	Color
Hex	64AC40
RGB	100, 172, 64
RGB Percent	39%, 67%, 25%
CMY	0.6078, 0.3255, 0.7490
CMYK	0.42, 0.00, 0.63, 0.33
HSL	100°, 46%, 46%
HSV	100°, 63%, 67%
XYZ	20.9349, 32.5845, 10.0353
YIQ	138.1600, -8.2440, -48.8520

Conversions

Conversions Part 2

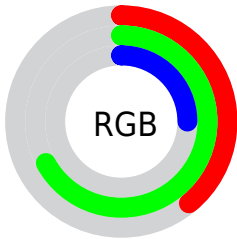
Format	Color
RYB	64, 172, 136
Decimal	6597696
CIELab	63.82, -42.11, 47.28
CIELCh	64, 63.315, 131.685
Yxy	32.5845, 0.3294, 0.5127
Android (android.graphics.Color)	4284787776 (0xFF64AC40)
YUV	138.1600, -36.5609, -33.4663
Hunter-Lab	57.0828, -34.4307, 29.5347

Details

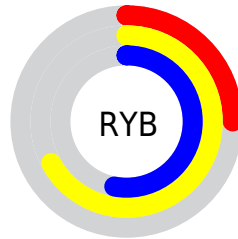
The Yxy color **32.5845, 0.3294, 0.5127** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.8770, 0.2713, 0.1659**, and the grayscale version is **25.6267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7163, 0.3299, 0.4733**, and **13.7379, 0.3223, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **31.8109, 0.3281, 0.5397**, and if you desaturate by 10%, it is **33.5133, 0.3291, 0.4825**.

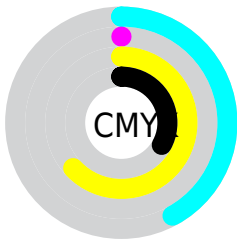
Distribution



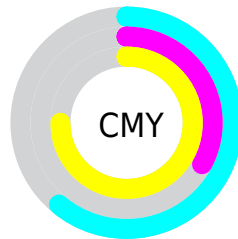
- Red (39%)
- Green (67%)
- Blue (25%)



- Red (25%)
- Yellow (67%)
- Blue (53%)



- Cyan (42%)
- Magenta (0%)
- Yellow (63%)
- Black (33%)




- Cyan (61%)
- Magenta (33%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5845, 0.3294, 0.5127 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 32.5845, 0.3294, 0.5127 by changing the saturation by 10% instead.


 32.5845, 0.3294,
0.5127


 32.5845, 0.3294,
0.5127

313.7733, 0.3264,
0.4102


 21.8083, 0.3272,
0.5410


 63.7263, 0.3302,
0.4732


 13.7161, 0.3219,
0.5781


 84.8607, 0.3299,
0.4590


 7.9235, 0.3104,
0.6285


 110.2166, 0.3294,
0.4473

 4.0460, 0.2901,
0.7099

 140.1785, 0.3288,
0.4375

 1.6993, 0.2007,
0.7993

 175.1307, 0.3282,
0.4291

 0.4232, 0.0000,
1.0000

215.4577, 0.3276,

 0.0000, 0.0000,

0.4219

0.0000

261.5437, 0.3270,
0.4157

■ 32.5845, 0.3294,
0.5127

■ 32.5845, 0.3294,
0.5127

■ 31.8109, 0.3281,
0.5397

■ 33.5133, 0.3291,
0.4825

■ 31.1787, 0.3252,
0.5618

■ 34.6016, 0.3275,
0.4509

■ 30.6783, 0.3209,
0.5777

■ 35.8589, 0.3249,
0.4194

■ 30.3861, 0.3175,
0.5861

■ 37.2924, 0.3216,
0.3893

■ 38.9090, 0.3178,
0.3613

■ 40.7153, 0.3138,
0.3357

■ 42.7173, 0.3098,
0.3127

■ 44.9209, 0.3059,
0.2921

■ 47.3318, 0.3021,
0.2739

Harmonies

Analogous

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



32.5845, 0.4180, 0.4929



32.5845, 0.3294, 0.5127



32.5845, 0.2411, 0.4513

Triad

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



32.5845, 0.3294, 0.5127



32.5845, 0.1582, 0.1990



32.5845, 0.4630, 0.2963

Complementary

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



32.5845, 0.3294, 0.5127



11.8770, 0.2713, 0.1659

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.



32.5845, 0.3692, 0.2396



32.5845, 0.3294, 0.5127



32.5845, 0.1970, 0.1857

Square

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



32.5845, 0.3294, 0.5127



32.5845, 0.1512, 0.2478



32.5845, 0.2696, 0.2006



32.5845, 0.5063, 0.3620

Rectangle

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



32.5845, 0.3294, 0.5127



32.5845, 0.1949, 0.3773



32.5845, 0.2696, 0.2006



32.5845, 0.4354, 0.2760

Sweetspot

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



32.5859, 0.3294, 0.5127



68.6280, 0.3203, 0.3794



26.2460, 0.4325, 0.4285



14.7438, 0.3213, 0.3873



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.5859, 0.3294, 0.5127



57.2734, 0.3273, 0.5482



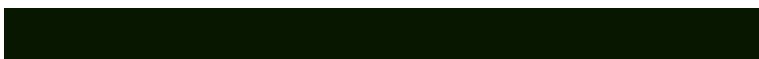
31.1772, 0.2947, 0.5014



9.0643, 0.3164, 0.3521



22.6394, 0.3182, 0.5855



0.6602, 0.3436, 0.5654

Inverse Universe

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



11.8770, 0.2713, 0.1659



16.5954, 0.2592, 0.1382



14.8305, 0.3421, 0.2043



8.0122, 0.3086, 0.3063



4.9411, 0.2395, 0.1093



0.1657, 0.2651, 0.1234

Previews

White Background



This preview shows how the Yxy color 32.5845, 0.3294, 0.5127 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 32.5845, 0.3294, 0.5127 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 32.5845, 0.3294, 0.5127

Background



This preview shows how black text looks on a background with the Yxy color 32.5845, 0.3294, 0.5127.



This preview shows how white text looks on a background with the Yxy color 32.5845, 0.3294, 0.5127.

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

32.5845, 0.3294, 0.5127

Protanopia

32.1976, 0.4173, 0.4576

Deuteranopia

31.9728, 0.4344, 0.4250



Tritanopia

32.3973, 0.2651, 0.3083

Trichromacy



Original Color

32.5845, 0.3294, 0.5127

Protanomaly

31.9377, 0.3819, 0.4794

Deuteranomaly

31.0405, 0.3929, 0.4568

Tritanomaly

32.0110, 0.2902, 0.3821

Monochromacy



Original Color

32.5845, 0.3294, 0.5127

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.2455, 0.3226, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5845, 0.3294, 0.5127 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(100, 172, 64)` looks like.

```
.text, #text, p{  
    color:rgb(100, 172, 64)  
}
```

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(100, 172, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 172, 64) }
```

Border

The CSS property to change the border of an element to Yxy 32.5845, 0.3294, 0.5127 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(100, 172, 64) }
```

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

```
.border{ border-color:rgb(100, 172, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 172, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 172, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 172, 64);  
box-shadow:4px 4px 4px 4px rgb(100, 172,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5845, 0.3294, 0.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 172, 64) }
```

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

```
.background{ background-color: rgb(100,  
172, 64) }
```

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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