

Converting Colors

$Yxy(32.0431, 0.2966, 0.5025)$

Have a look what the booklet for
Yxy(32.0431, 0.2966, 0.5025)
contains.

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Color

Yxy(32.0446, 0.2966, 0.5029)

Conversions

Conversions Part 1

Format	Color
Hex	43AE50
RGB	67, 174, 80
RGB Percent	26%, 68%, 31%
CMY	0.7372, 0.3176, 0.6863
CMYK	0.61, 0.00, 0.54, 0.32
HSL	127°, 44%, 47%
HSV	127°, 61%, 68%
XYZ	18.8992, 32.0446, 12.7758
YIQ	131.2910, -33.5980, -51.9180

Conversions

Conversions Part 2

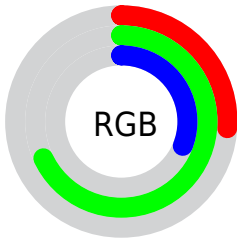
Format	Color
RYB	67, 162, 174
Decimal	4435536
CIELab	63.38, -50.32, 38.95
CIELCh	63, 63.631, 142.258
Yxy	32.0446, 0.2966, 0.5029
Android (android.graphics.Color)	4282625616 (0xFF43AE50)
YUV	131.2910, -25.2865, -56.3832
Hunter-Lab	56.6079, -39.4696, 26.2445

Details

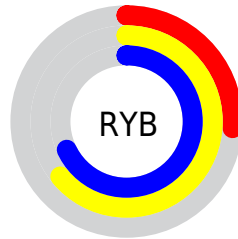
The Yxy color **32.0446, 0.2966, 0.5029** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.5898, 0.3369, 0.2028**, and the grayscale version is **22.9096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6679, 0.3035, 0.4640**, and **13.5267, 0.2902, 0.5648** is the 20% darker color. If you saturate the color by 10%, you get **31.3196, 0.2956, 0.5328**, and if you desaturate by 10%, it is **33.0085, 0.2984, 0.4710**.

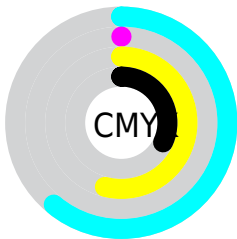
Distribution



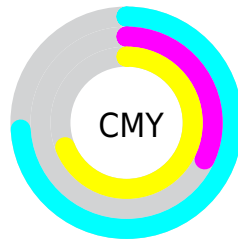
- Red (26%)
- Green (68%)
- Blue (31%)



- Red (26%)
- Yellow (64%)
- Blue (68%)



- Cyan (61%)
- Magenta (0%)
- Yellow (54%)
- Black (32%)





- Cyan (74%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0446, 0.2966, 0.5029 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 32.0446, 0.2966, 0.5029 by changing the saturation by 10% instead.


 32.0446, 0.2966,
0.5029


 32.0446, 0.2966,
0.5029


311.3224, 0.3099,
0.4039


 21.3956, 0.2908,
0.5317


 62.8810, 0.3031,
0.4639

 13.4135, 0.2814,
0.5708


 83.8372, 0.3050,
0.4502


 7.7139, 0.2650,
0.6262


 108.9978, 0.3064,
0.4389

 3.9124, 0.2442,
0.7378

 138.7474, 0.3074,
0.4296

 1.6247, 0.0995,
0.9005

 173.4702, 0.3083,
0.4216

 0.3742, 0.0000,
1.0000

213.5507, 0.3089,

 0.0000, 0.0000,

0.4149

0.0000

259.3733, 0.3094,
0.4090

■ 32.0446, 0.2966,
0.5029

■ 32.0446, 0.2966,
0.5029

■ 31.3196, 0.2956,
0.5328

■ 33.0085, 0.2984,
0.4710

■ 30.8088, 0.2956,
0.5586

■ 34.2254, 0.3007,
0.4391

■ 30.4892, 0.2964,
0.5786

■ 35.7132, 0.3035,
0.4085

■ 30.3275, 0.2973,
0.5905

■ 37.4868, 0.3064,
0.3802

■ 39.5602, 0.3094,
0.3547

■ 41.9464, 0.3123,
0.3321

■ 44.6577, 0.3151,
0.3123

■ 47.7055, 0.3177,
0.2952

■ 51.1010, 0.3201,
0.2803

Harmonies

Analogous

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



32.0446, 0.3886, 0.5090



32.0446, 0.2966, 0.5029



32.0446, 0.2138, 0.4145

Triad

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



32.0446, 0.2966, 0.5029



32.0446, 0.1670, 0.1896



32.0446, 0.4875, 0.3185

Complementary

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



32.0446, 0.2966, 0.5029



15.5898, 0.3369, 0.2028

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.



32.0446, 0.4063, 0.2574



32.0446, 0.2966, 0.5029



32.0446, 0.2178, 0.1869

Square

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



32.0446, 0.2966, 0.5029



32.0446, 0.1487, 0.2249



32.0446, 0.3025, 0.2109



32.0446, 0.5074, 0.3863

Rectangle

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



32.0446, 0.2966, 0.5029



32.0446, 0.1756, 0.3373



32.0446, 0.3025, 0.2109



32.0446, 0.4660, 0.2971

Sweetspot

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



32.0459, 0.2966, 0.5029



69.1262, 0.3073, 0.3718



38.3097, 0.3853, 0.4768



15.1361, 0.3065, 0.3794



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.0459, 0.2966, 0.5029



56.4107, 0.2955, 0.5433



33.1601, 0.2635, 0.4030



8.9546, 0.3100, 0.3495



22.0011, 0.2970, 0.5893



0.6169, 0.2864, 0.5510

Inverse Universe

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



15.5898, 0.3369, 0.2028



23.9364, 0.3434, 0.1849



14.0988, 0.4262, 0.2710



8.1311, 0.3155, 0.3093



8.1985, 0.3535, 0.1721



0.2327, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 32.0446, 0.2966, 0.5029 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 32.0446, 0.2966, 0.5029 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 32.0446, 0.2966, 0.5029

Background



This preview shows how black text looks on a background with the Yxy color 32.0446, 0.2966, 0.5029.



This preview shows how white text looks on a background with the Yxy color 32.0446, 0.2966, 0.5029.

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

32.0446, 0.2966, 0.5029

Protanopia

31.6985, 0.4047, 0.4430

Deuteranopia

31.3945, 0.4167, 0.4070



Tritanopia

32.0006, 0.2463, 0.3076

Trichromacy



Original Color

32.0446, 0.2966, 0.5029



Protanomaly

30.9171, 0.3568, 0.4681



Deuteranomaly

30.2725, 0.3642, 0.4435



Tritanomaly

31.7973, 0.2648, 0.3750

Monochromacy



Original Color

32.0446, 0.2966, 0.5029



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.2254, 0.3057, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0446, 0.2966, 0.5029 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(67, 174, 80)` looks like.

```
.text, #text, p{  
    color:rgb(67, 174, 80)  
}
```

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(67, 174, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 174, 80) }
```

Border

The CSS property to change the border of an element to Yxy 32.0446, 0.2966, 0.5029 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(67, 174, 80) }
```

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

```
.border{ border-color:rgb(67, 174, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 174, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 174, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 174, 80);  
box-shadow:4px 4px 4px 4px rgb(67, 174,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0446, 0.2966, 0.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 174, 80) }
```

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

```
.background{ background-color: rgb(67, 174,  
80) }
```

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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