

Converting Colors

$Yxy(32.2854, 0.3033, 0.4773)$

Have a look what the booklet for
Yxy(32.2854, 0.3033, 0.4773)
contains.

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Color

Yxy(32.2695, 0.3036, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	57AC5A
RGB	87, 172, 90
RGB Percent	34%, 67%, 35%
CMY	0.6588, 0.3255, 0.6470
CMYK	0.49, 0.00, 0.48, 0.33
HSL	122°, 34%, 51%
HSV	122°, 49%, 67%
XYZ	20.5302, 32.2695, 14.8229
YIQ	137.2370, -24.3380, -43.5220

Conversions

Conversions Part 2

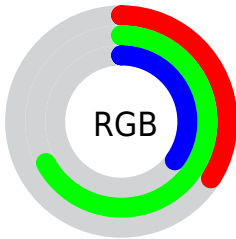
Format	Color
RYB	87, 169, 172
Decimal	5745754
CIELab	63.57, -42.95, 34.30
CIELCh	64, 54.964, 141.394
Yxy	32.2695, 0.3036, 0.4772
Android (android.graphics.Color)	4283935834 (0xFF57AC5A)
YUV	137.2370, -23.2878, -44.0578
Hunter-Lab	56.8062, -34.8997, 24.2934

Details

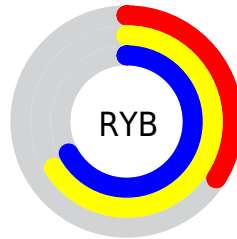
The Yxy color **32.2695, 0.3036, 0.4772** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.4547, 0.3219, 0.2154**, and the grayscale version is **25.2102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1607, 0.3079, 0.4449**, and **13.5868, 0.2937, 0.5357** is the 20% darker color. If you saturate the color by 10%, you get **31.2873, 0.3019, 0.5111**, and if you desaturate by 10%, it is **33.5147, 0.3055, 0.4428**.

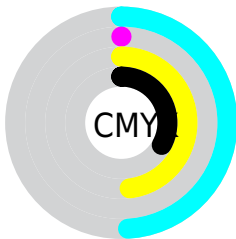
Distribution



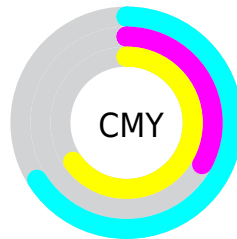
- Red (34%)
- Green (67%)
- Blue (35%)



- Red (34%)
- Yellow (66%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2695, 0.3036, 0.4772 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 32.2695, 0.3036, 0.4772 by changing the saturation by 10% instead.

 32.2695, 0.3036,
0.4772


 32.2695, 0.3036,
0.4772


312.3451, 0.3119,
0.3935


 21.5674, 0.2997,
0.5015


 63.2333, 0.3078,
0.4443

 13.5394, 0.2934,
0.5346


 84.2639, 0.3090,
0.4327

 7.8010, 0.2821,
0.5819

 109.5061, 0.3098,
0.4232

 3.9679, 0.2636,
0.6624

 139.3443, 0.3105,
0.4153

 1.6556, 0.1862,
0.8138

174.1629, 0.3110,
0.4086

 0.3947, 0.0000,
1.0000

214.3463, 0.3113,

 0.0000, 0.0000,

0.4028

0.0000

260.2789, 0.3116,
0.3978

■ 32.2695, 0.3036,
0.4772

■ 32.2695, 0.3036,
0.4772

■ 31.2873, 0.3019,
0.5111

■ 33.5147, 0.3055,
0.4428

■ 30.5456, 0.3006,
0.5422

■ 35.0357, 0.3074,
0.4098

■ 30.0248, 0.2998,
0.5680


■ 36.8489, 0.3093,
0.3792


■ 29.7004, 0.2995,
0.5864

■ 38.9686, 0.3111,
0.3518

■ 29.5273, 0.2994,
0.5971


■ 41.4080, 0.3128,
0.3277

 29.5186, 0.2993,
0.5976

 44.1797, 0.3143,
0.3066

 47.2954, 0.3157,
0.2885

 50.7664, 0.3169,
0.2728

 54.6034, 0.3180,
0.2594

Harmonies

Analogous

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



32.2695, 0.3848, 0.4851



32.2695, 0.3036, 0.4772



32.2695, 0.2292, 0.4047

Triad

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



32.2695, 0.3036, 0.4772



32.2695, 0.1823, 0.2063



32.2695, 0.4623, 0.3205

Complementary

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



32.2695, 0.3036, 0.4772



18.4547, 0.3219, 0.2154

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.



32.2695, 0.3915, 0.2649



32.2695, 0.3036, 0.4772



32.2695, 0.2279, 0.2022

Square

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



32.2695, 0.3036, 0.4772



32.2695, 0.1666, 0.2405



32.2695, 0.3022, 0.2232



32.2695, 0.4832, 0.3820

Rectangle

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



32.2695, 0.3036, 0.4772



32.2695, 0.1938, 0.3404



32.2695, 0.3022, 0.2232



32.2695, 0.4432, 0.3010

Sweetspot

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



32.2709, 0.3036, 0.4772



68.3718, 0.3101, 0.3675



38.6473, 0.3810, 0.4480



14.6933, 0.3097, 0.3732



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.



32.2709, 0.3036, 0.4772



56.6591, 0.3018, 0.5133



33.2077, 0.2748, 0.3989



8.9438, 0.3112, 0.3516



21.9682, 0.2992, 0.5972



0.6126, 0.2958, 0.5848

Inverse Universe

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



18.4547, 0.3219, 0.2154



28.7191, 0.3240, 0.1956



17.1139, 0.3826, 0.2702



8.1431, 0.3143, 0.3074



8.5755, 0.3298, 0.1590



0.2400, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 32.2695, 0.3036, 0.4772 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 32.2695, 0.3036, 0.4772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

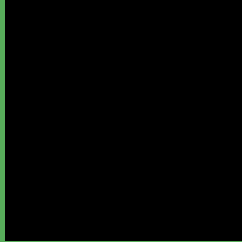
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2695, 0.3036, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 32.2695, 0.3036, 0.4772.



This preview shows how white text looks on a background with the Yxy color 32.2695, 0.3036, 0.4772.

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

32.2695, 0.3036, 0.4772

Protanopia

31.7318, 0.3954, 0.4311

Deuteranopia

31.7166, 0.4070, 0.3985



Tritanopia

32.0000, 0.2560, 0.3079

Trichromacy



Original Color

32.2695, 0.3036, 0.4772



Protanomaly

31.3025, 0.3570, 0.4489



Deuteranomaly

30.6404, 0.3635, 0.4261



Tritanomaly

31.9387, 0.2736, 0.3669

Monochromacy



Original Color

32.2695, 0.3036, 0.4772



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.0907, 0.3092, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2695, 0.3036, 0.4772 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(87, 172, 90)` looks like.

```
.text, #text, p{  
    color:rgb(87, 172, 90)  
}
```

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(87, 172, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 172, 90) }
```

Border

The CSS property to change the border of an element to Yxy 32.2695, 0.3036, 0.4772 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(87, 172, 90) }
```

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

```
.border{ border-color:rgb(87, 172, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 172, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 172, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 172, 90);  
box-shadow:4px 4px 4px 4px rgb(87, 172,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2695, 0.3036, 0.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 172, 90) }
```

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

```
.background{ background-color: rgb(87, 172,  
90) }
```

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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