

Converting Colors

$Yxy(32.5744, 0.3587, 0.4953)$

Have a look what the booklet for
Yxy(32.5744, 0.3587, 0.4953)
contains.

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Color

Yxy(32.5744, 0.3587, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	80A73E
RGB	128, 167, 62
RGB Percent	50%, 65%, 24%
CMY	0.4980, 0.3451, 0.7568
CMYK	0.23, 0.00, 0.63, 0.35
HSL	82°, 46%, 45%
HSV	82°, 63%, 65%
XYZ	23.5906, 32.5744, 9.6020
YIQ	143.3690, 10.4610, -40.9230

Conversions

Conversions Part 2

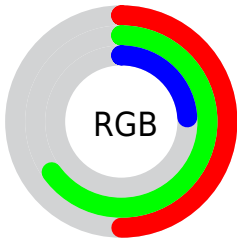
Format	Color
RYB	62, 167, 101
Decimal	8431422
CIELab	63.81, -29.81, 48.59
CIELCh	64, 57.004, 121.527
Yxy	32.5744, 0.3587, 0.4953
Android (android.graphics.Color)	4286621502 (0xFF80A73E)
YUV	143.3690, -40.1149, -13.4786
Hunter-Lab	57.0740, -26.0993, 29.9770

Details

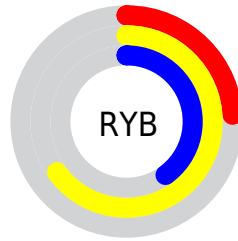
The Yxy color **32.5744, 0.3587, 0.4953** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.0032, 0.2320, 0.1485**, and the grayscale version is **27.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5247, 0.3532, 0.4609**, and **13.7595, 0.3614, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **31.9533, 0.3610, 0.5174**, and if you desaturate by 10%, it is **33.2841, 0.3542, 0.4700**.

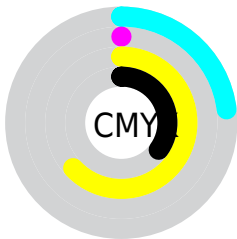
Distribution



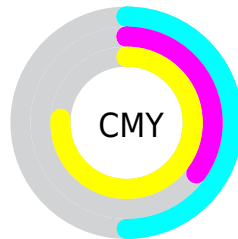
- Red (50%)
- Green (65%)
- Blue (24%)



- Red (24%)
- Yellow (65%)
- Blue (40%)



- Cyan (23%)
- Magenta (0%)
- Yellow (63%)
- Black (35%)




- Cyan (50%)
- Magenta (35%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5744, 0.3587, 0.4953 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 32.5744, 0.3587, 0.4953 by changing the saturation by 10% instead.


 32.5744, 0.3587,
0.4953


 32.5744, 0.3587,
0.4953


313.7276, 0.3396,
0.4047


 21.8006, 0.3609,
0.5192


 63.7105, 0.3533,
0.4611


 13.7105, 0.3615,
0.5499


 84.8416, 0.3508,
0.4486


 7.9196, 0.3586,
0.5907


 110.1939, 0.3484,
0.4382

 4.0435, 0.3491,
0.6509

 140.1518, 0.3463,
0.4294

 1.6979, 0.2995,
0.7005

 175.0998, 0.3444,
0.4219

 0.4223, 0.0000,
1.0000

215.4221, 0.3426,

 0.0000, 0.0000,

0.4154

0.0000

261.5032, 0.3410,
0.4097

■ 32.5744, 0.3587,
0.4953

■ 32.5744, 0.3587,
0.4953

■ 31.9533, 0.3610,
0.5174

■ 33.2841, 0.3542,
0.4700

■ 31.4107, 0.3610,
0.5353

■ 34.0833, 0.3481,
0.4429

■ 30.9411, 0.3587,
0.5483

■ 34.9781, 0.3406,
0.4150

■ 30.6401, 0.3561,
0.5555

■ 35.9728, 0.3324,
0.3874

■ 37.0715, 0.3238,
0.3608

■ 38.2778, 0.3152,
0.3358

■ 39.5953, 0.3067,
0.3127

■ 41.0274, 0.2985,
0.2915

■ 42.5773, 0.2908,
0.2723

Harmonies

Analogous

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



32.5744, 0.4348, 0.4636



32.5744, 0.3587, 0.4953



32.5744, 0.2750, 0.4639

Triad

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



32.5744, 0.3587, 0.4953



32.5744, 0.1648, 0.2219



32.5744, 0.4230, 0.2810

Complementary

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



32.5744, 0.3587, 0.4953



9.0032, 0.2320, 0.1485

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.



32.5744, 0.3325, 0.2326



32.5744, 0.3587, 0.4953



32.5744, 0.1910, 0.1983

Square

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



32.5744, 0.3587, 0.4953



32.5744, 0.1690, 0.2807



32.5744, 0.2480, 0.2034



32.5744, 0.4811, 0.3406

Rectangle

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



32.5744, 0.3587, 0.4953



32.5744, 0.2261, 0.4070



32.5744, 0.2480, 0.2034



32.5744, 0.3944, 0.2632

Sweetspot

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



32.5758, 0.3587, 0.4953



65.0948, 0.3294, 0.3779



17.7752, 0.4650, 0.3860



14.4488, 0.3318, 0.3853



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.



32.5758, 0.3587, 0.4953



56.8696, 0.3613, 0.5242



29.5232, 0.3126, 0.5224



8.6325, 0.3207, 0.3517



23.4737, 0.3567, 0.5550



0.5988, 0.3780, 0.5381

Inverse Universe

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



9.0032, 0.2320, 0.1485



11.2684, 0.2112, 0.1142



13.0087, 0.3001, 0.1788



7.4312, 0.3042, 0.3061



2.9454, 0.1817, 0.0774



0.1008, 0.2216, 0.0995

Previews

White Background



This preview shows how the Yxy color 32.5744, 0.3587, 0.4953 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 32.5744, 0.3587, 0.4953 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 32.5744, 0.3587, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 32.5744, 0.3587, 0.4953.



This preview shows how white text looks on a background with the Yxy color 32.5744, 0.3587, 0.4953.

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

32.5744, 0.3587, 0.4953

Protanopia

32.1873, 0.4179, 0.4586

Deuteranopia

32.3612, 0.4377, 0.4298



Tritanopia

32.3042, 0.2873, 0.3091

Trichromacy



Original Color

32.5744, 0.3587, 0.4953

Protanomaly

32.1800, 0.3955, 0.4732

Deuteranomaly

31.8294, 0.4081, 0.4527

Tritanomaly

31.9876, 0.3161, 0.3780

Monochromacy



Original Color

32.5744, 0.3587, 0.4953

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0747, 0.3342, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5744, 0.3587, 0.4953 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(128, 167, 62)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 62)  
}
```

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(128, 167, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 62) }
```

Border

The CSS property to change the border of an element to Yxy 32.5744, 0.3587, 0.4953 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(128, 167, 62) }
```

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

```
.border{ border-color:rgb(128, 167, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 167, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 62);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5744, 0.3587, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 62) }
```

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

```
.background{ background-color: rgb(128,  
167, 62) }
```

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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