

Converting Colors

$Yxy(32.5036, 0.4028, 0.4771)$

Have a look what the booklet for
Yxy(32.5036, 0.4028, 0.4771)
contains.

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Color

Yxy(32.4242, 0.4023, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	9F9F35
RGB	159, 159, 53
RGB Percent	62%, 62%, 21%
CMY	0.3766, 0.3764, 0.7921
CMYK	0.00, 0.00, 0.67, 0.38
HSL	60°, 50%, 42%
HSV	60°, 67%, 62%
XYZ	27.3350, 32.4242, 8.1876
YIQ	146.9160, 34.0260, -32.9660

Conversions

Conversions Part 2

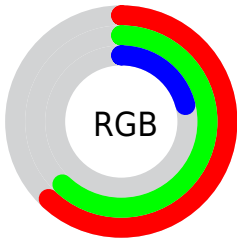
Format	Color
RYB	53, 159, 53
Decimal	10460981
CIELab	63.69, -13.46, 52.98
CIELCh	64, 54.667, 104.256
Yxy	32.4242, 0.4023, 0.4772
Android (android.graphics.Color)	4288651061 (0xFF9F9F35)
YUV	146.9160, -46.3006, 10.5977
Hunter-Lab	56.9423, -13.9605, 31.3344

Details

The Yxy color **32.4242, 0.4023, 0.4772** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8098, 0.1865, 0.1204**, and the grayscale version is **29.3254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2280, 0.3883, 0.4487**, and **13.6682, 0.4132, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **32.3022, 0.4101, 0.4902**, and if you desaturate by 10%, it is **32.5978, 0.3921, 0.4604**.

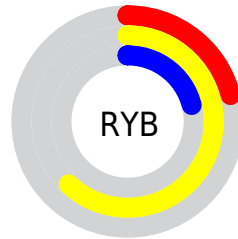
Distribution



Red (62%)

Green (62%)

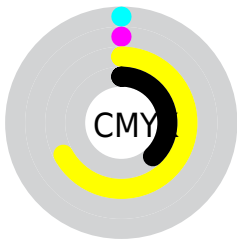
Blue (21%)



Red (21%)

Yellow (62%)

Blue (21%)

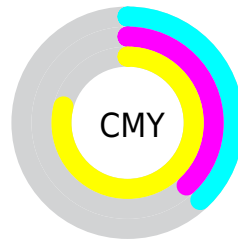


Cyan (0%)

Magenta (0%)

Yellow (67%)

Black (38%)



Cyan (38%)


Magenta (38%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4242, 0.4023, 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 32.4242, 0.4023, 0.4772 by changing the saturation by 10% instead.


 32.4242, 0.4023,
0.4772


 32.4242, 0.4023,
0.4772


 313.0471, 0.3600,
0.4005

 21.6857, 0.4104,
0.4954

 63.4755, 0.3884,
0.4496

 13.6262, 0.4184,
0.5172


 84.5571, 0.3827,
0.4390


 7.8611, 0.4280,
0.5471


 109.8552, 0.3776,
0.4301

 4.0062, 0.4264,
0.5736

 139.7542, 0.3732,
0.4224

 1.6770, 0.4051,
0.5949

 174.6385, 0.3693,
0.4158

 0.4087, 0.1277,
0.8723

 214.8925, 0.3659,

 0.0000, 0.0000,

0.4101

0.0000

260.9006, 0.3628,
0.4050

■ 32.4242, 0.4023,
0.4772

■ 32.4242, 0.4023,
0.4772

■ 32.3022, 0.4101,
0.4902

■ 32.5978, 0.3921,
0.4604

■ 32.2222, 0.4154,
0.4990

■ 32.8227, 0.3800,
0.4403

■ 32.1783, 0.4184,
0.5040

■ 33.1045, 0.3664,
0.4178

■ 32.1665, 0.4193,
0.5053

■ 33.4464, 0.3519,
0.3938

■ 33.8519, 0.3371,
0.3693

■ 34.3238, 0.3223,
0.3449

■ 34.8649, 0.3080,
0.3212

■ 35.4780, 0.2944,
0.2988

■ 36.1654, 0.2817,
0.2778

Harmonies

Analogous

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



32.4242, 0.4621, 0.4283



32.4242, 0.4023, 0.4772



32.4242, 0.3232, 0.4841

Triad

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



32.4242, 0.4023, 0.4772



32.4242, 0.1681, 0.2543



32.4242, 0.3701, 0.2539

Complementary

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



32.4242, 0.4023, 0.4772



5.8098, 0.1865, 0.1204

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.



32.4242, 0.2826, 0.2167



32.4242, 0.4023, 0.4772



32.4242, 0.1767, 0.2122

Square

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



32.4242, 0.4023, 0.4772



32.4242, 0.1906, 0.3315



32.4242, 0.2149, 0.2015



32.4242, 0.4482, 0.3067

Rectangle

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



32.4242, 0.4023, 0.4772



32.4242, 0.2699, 0.4517



32.4242, 0.2149, 0.2015



32.4242, 0.3401, 0.2394

Sweetspot

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



32.4257, 0.4023, 0.4772



60.3317, 0.3426, 0.3784



10.1771, 0.5253, 0.3296



13.5584, 0.3465, 0.3849



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.



32.4257, 0.4023, 0.4772



57.7619, 0.4130, 0.4950



28.1227, 0.3458, 0.5122



7.7203, 0.3261, 0.3511



25.4019, 0.4193, 0.5053



0.4542, 0.4193, 0.5053

Inverse Universe

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



5.8098, 0.1865, 0.1204



6.5695, 0.1641, 0.0833



8.1164, 0.2439, 0.1469



6.4354, 0.2987, 0.3059



1.9775, 0.1500, 0.0600



0.0354, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 32.4242, 0.4023, 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 32.4242, 0.4023, 0.4772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

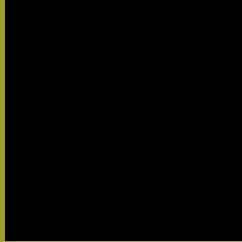
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4242, 0.4023, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 32.4242, 0.4023, 0.4772.



This preview shows how white text looks on a background with the Yxy color 32.4242, 0.4023, 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

32.4242, 0.4023, 0.4772

Protanopia

32.2434, 0.4227, 0.4634

Deuteranopia

32.3693, 0.4468, 0.4394



Tritanopia

32.4680, 0.3227, 0.3131

Trichromacy



Original Color

32.4242, 0.4023, 0.4772

Protanomaly

32.3497, 0.4154, 0.4689

Deuteranomaly

32.1220, 0.4307, 0.4521

Tritanomaly

32.1623, 0.3563, 0.3774

Monochromacy



Original Color

32.4242, 0.4023, 0.4772

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9048, 0.3496, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4242, 0.4023, 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(159, 159, 53)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 53)  
}
```

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(159, 159, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 53) }
```

Border

The CSS property to change the border of an element to Yxy 32.4242, 0.4023, 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(159, 159, 53) }
```

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

```
.border{ border-color:rgb(159, 159, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 53);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
53) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.4242, 0.4023, 0.4772$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 53) }
```

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

```
.background{ background-color: rgb(159,  
159, 53) }
```

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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