

Converting Colors

$Y_{xy}(32.7825, 0.4130, 0.4750)$

Have a look what the booklet for
Yxy(32.7825, 0.4130, 0.4750)
contains.

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Color

Yxy(32.7825, 0.4130, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	A69E31
RGB	166, 158, 49
RGB Percent	65%, 62%, 19%
CMY	0.3491, 0.3803, 0.8079
CMYK	0.00, 0.05, 0.70, 0.35
HSL	56°, 54%, 42%
HSV	56°, 70%, 65%
XYZ	28.5035, 32.7825, 7.7298
YIQ	147.9660, 39.7570, -32.2030

Conversions

Conversions Part 2

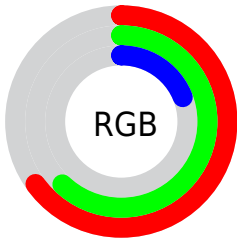
Format	Color
RYB	58, 166, 49
Decimal	10919473
CIELab	63.98, -10.09, 55.09
CIELCh	64, 56.007, 100.374
Yxy	32.7825, 0.4130, 0.4750
Android (android.graphics.Color)	4289109553 (0xFFA69E31)
YUV	147.9660, -48.7902, 15.8158
Hunter-Lab	57.2560, -11.3361, 32.0748

Details

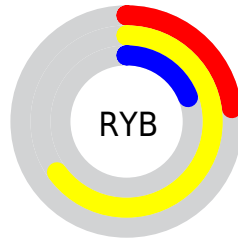
The Yxy color **32.7825, 0.4130, 0.4750** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3272, 0.1823, 0.1200**, and the grayscale version is **29.7937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8936, 0.3978, 0.4484**, and **13.8949, 0.4254, 0.5004** is the 20% darker color. If you saturate the color by 10%, you get **32.2850, 0.4217, 0.4858**, and if you desaturate by 10%, it is **33.3383, 0.4019, 0.4602**.

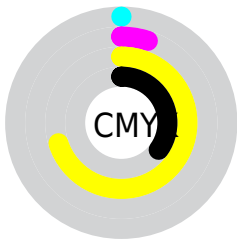
Distribution



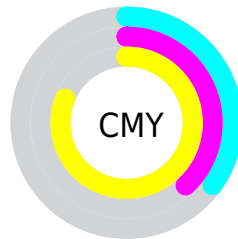
- Red (65%)
- Green (62%)
- Blue (19%)



- Red (23%)
- Yellow (65%)
- Blue (19%)



- Cyan (0%)
- Magenta (5%)
- Yellow (70%)
- Black (35%)





- Cyan (35%)
- Magenta (38%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7825, 0.4130, 0.4750 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 32.7825, 0.4130, 0.4750 by changing the saturation by 10% instead.

 32.7825, 0.4130,
0.4750


 32.7825, 0.4130,
0.4750


 314.6685, 0.3655,
0.4008

 21.9599, 0.4222,
0.4919


 64.0358, 0.3973,
0.4488


 13.8274, 0.4316,
0.5116


 85.2353, 0.3908,
0.4386

 8.0007, 0.4440,
0.5394


 110.6625, 0.3852,
0.4299

 4.0954, 0.4423,
0.5577

 140.7019, 0.3802,
0.4225

 1.7271, 0.4269,
0.5731

 175.7377, 0.3759,
0.4160

 0.4411, 0.2818,
0.7182

 216.1546, 0.3720,

 0.0000, 0.0000,

0.4103

0.0000

262.3367, 0.3686,
0.4053

■ 32.7825, 0.4130,
0.4750

■ 32.7825, 0.4130,
0.4750

■ 32.2850, 0.4217,
0.4858

■ 33.3383, 0.4019,
0.4602

■ 31.8350, 0.4277,
0.4923

■ 33.9527, 0.3888,
0.4420

■ 31.4396, 0.4316,
0.4955

■ 34.6319, 0.3743,
0.4212

■ 35.3799, 0.3590,
0.3988

■ 36.2003, 0.3435,
0.3757

■ 37.0966, 0.3282,
0.3525

■ 38.0720, 0.3134,
0.3301

■ 39.1295, 0.2995,
0.3086

■ 40.2719, 0.2865,
0.2885

Harmonies

Analogous

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



32.7825, 0.4701, 0.4218



32.7825, 0.4130, 0.4750



32.7825, 0.3338, 0.4903

Triad

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



32.7825, 0.4130, 0.4750



32.7825, 0.1668, 0.2609



32.7825, 0.3593, 0.2466

Complementary

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



32.7825, 0.4130, 0.4750



6.3272, 0.1823, 0.1200

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.



32.7825, 0.2714, 0.2115



32.7825, 0.4130, 0.4750



32.7825, 0.1716, 0.2137

Square

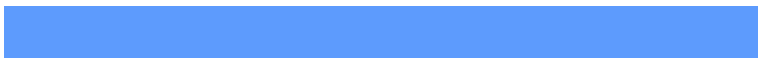
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.7825, 0.4130, 0.4750



32.7825, 0.1938, 0.3437



32.7825, 0.2064, 0.1992



32.7825, 0.4427, 0.2985

Rectangle

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



32.7825, 0.4130, 0.4750



32.7825, 0.2790, 0.4634



32.7825, 0.2064, 0.1992



32.7825, 0.3287, 0.2327

Sweetspot

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



32.7840, 0.4130, 0.4750



65.5791, 0.3449, 0.3778



10.6136, 0.5264, 0.3174



14.5849, 0.3490, 0.3839



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.



32.7840, 0.4130, 0.4750



58.1039, 0.4257, 0.4903



31.2841, 0.3554, 0.5159



8.6851, 0.3264, 0.3498



24.4146, 0.4315, 0.4956



0.6191, 0.4271, 0.4991

Inverse Universe

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



6.3272, 0.1823, 0.1200



7.1932, 0.1608, 0.0823



7.5303, 0.2264, 0.1313



7.3795, 0.2986, 0.3073



2.3536, 0.1515, 0.0655



0.0821, 0.1582, 0.0896

Previews

White Background



This preview shows how the Yxy color 32.7825, 0.4130, 0.4750 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 32.7825, 0.4130, 0.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

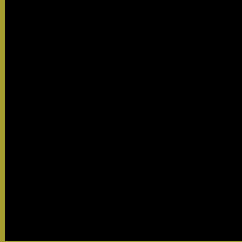
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7825, 0.4130, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 32.7825, 0.4130, 0.4750.



This preview shows how white text looks on a background with the Yxy color 32.7825, 0.4130, 0.4750.

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

32.7825, 0.4130, 0.4750

Protanopia

32.6548, 0.4251, 0.4672

Deuteranopia

32.5938, 0.4514, 0.4415



Tritanopia

32.7970, 0.3300, 0.3134

Trichromacy



Original Color

32.7825, 0.4130, 0.4750

Protanomaly

32.6483, 0.4208, 0.4703

Deuteranomaly

32.5715, 0.4374, 0.4530

Tritanomaly

32.5590, 0.3662, 0.3777

Monochromacy



Original Color

32.7825, 0.4130, 0.4750

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5949, 0.3546, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7825, 0.4130, 0.4750 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(166, 158, 49)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 49)  
}
```

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(166, 158, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 49) }
```

Border

The CSS property to change the border of an element to Yxy 32.7825, 0.4130, 0.4750 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(166, 158, 49) }
```

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

```
.border{ border-color:rgb(166, 158, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 158, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 49);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7825, 0.4130, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 49) }
```

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

```
.background{ background-color: rgb(166,  
158, 49) }
```

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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