

Converting Colors

$Y_{xy}(32.6425, 0.4140, 0.4789)$

Have a look what the booklet for
Yxy(32.6425, 0.4140, 0.4789)
contains.

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Color

Yxy(32.6425, 0.4140, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	A59E2D
RGB	165, 158, 45
RGB Percent	65%, 62%, 18%
CMY	0.3529, 0.3804, 0.8234
CMYK	0.00, 0.04, 0.73, 0.35
HSL	56°, 57%, 41%
HSV	56°, 73%, 65%
XYZ	28.2188, 32.6425, 7.3001
YIQ	147.2110, 40.4450, -33.6590

Conversions

Conversions Part 2

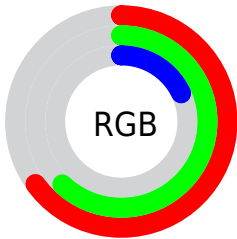
Format	Color
RYB	52, 165, 45
Decimal	10853933
CIELab	63.87, -10.71, 56.46
CIELCh	64, 57.466, 100.743
Yxy	32.6425, 0.4140, 0.4789
Android (android.graphics.Color)	4289044013 (0xFFA59E2D)
YUV	147.2110, -50.3900, 15.6010
Hunter-Lab	57.1336, -11.8210, 32.4179

Details

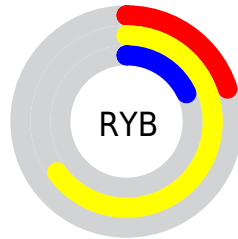
The Yxy color **32.6425, 0.4140, 0.4789** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7358, 0.1783, 0.1123**, and the grayscale version is **29.4725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6758, 0.3987, 0.4515**, and **13.8304, 0.4239, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **32.2134, 0.4218, 0.4888**, and if you desaturate by 10%, it is **33.1269, 0.4037, 0.4648**.

Distribution



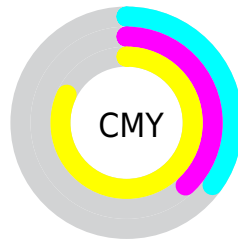
- Red (65%)
- Green (62%)
- Blue (18%)



- Red (20%)
- Yellow (65%)
- Blue (18%)



- Cyan (0%)
- Magenta (4%)
- Yellow (73%)
- Black (35%)



- Cyan (35%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6425, 0.4140, 0.4789 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 32.6425, 0.4140, 0.4789 by changing the saturation by 10% instead.

 32.6425, 0.4140,
0.4789


 32.6425, 0.4140,
0.4789


314.0357, 0.3664,
0.4029

 21.8527, 0.4229,
0.4960


 63.8170, 0.3984,
0.4521


 13.7487, 0.4318,
0.5159


 84.9705, 0.3920,
0.4417


 7.9461, 0.4450,
0.5457

 110.3473, 0.3863,
0.4328

 4.0605, 0.4393,
0.5607

 140.3319, 0.3813,
0.4251

 1.7075, 0.4228,
0.5772

 175.3087, 0.3769,
0.4184

 0.4285, 0.2538,
0.7462

 215.6619, 0.3730,

 0.0000, 0.0000,

0.4126

0.0000

261.7762, 0.3695,
0.4075

■ 32.6425, 0.4140,
0.4789

■ 32.6425, 0.4140,
0.4789

■ 32.2134, 0.4218,
0.4888

■ 33.1269, 0.4037,
0.4648

■ 31.8289, 0.4271,
0.4946

■ 33.6672, 0.3912,
0.4472

■ 31.5669, 0.4298,
0.4969

■ 34.2695, 0.3772,
0.4268

■ 34.9378, 0.3622,
0.4045

■ 35.6759, 0.3468,
0.3813

■ 36.4872, 0.3315,
0.3579

■ 37.3748, 0.3166,
0.3350

■ 38.3418, 0.3025,
0.3131

■ 39.3910, 0.2893,
0.2925

Harmonies

Analogous

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



32.6425, 0.4733, 0.4240



32.6425, 0.4140, 0.4789



32.6425, 0.3328, 0.4949

Triad

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



32.6425, 0.4140, 0.4789



32.6425, 0.1634, 0.2580



32.6425, 0.3616, 0.2453

Complementary

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



32.6425, 0.4140, 0.4789



5.7358, 0.1783, 0.1123

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.



32.6425, 0.2712, 0.2093



32.6425, 0.4140, 0.4789



32.6425, 0.1688, 0.2105

Square

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



32.6425, 0.4140, 0.4789



32.6425, 0.1903, 0.3426



32.6425, 0.2045, 0.1963



32.6425, 0.4471, 0.2982

Rectangle

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



32.6425, 0.4140, 0.4789



32.6425, 0.2767, 0.4668



32.6425, 0.2045, 0.1963



32.6425, 0.3301, 0.2310

Sweetspot

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



32.6440, 0.4140, 0.4789



63.9313, 0.3463, 0.3806



10.1373, 0.5400, 0.3201



13.9004, 0.3503, 0.3865



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.6440, 0.4140, 0.4789



57.2742, 0.4252, 0.4927



30.6135, 0.3536, 0.5219



8.1661, 0.3263, 0.3500



23.9050, 0.4297, 0.4970



0.5221, 0.4256, 0.5003

Inverse Universe

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



5.7358, 0.1783, 0.1123



6.5429, 0.1586, 0.0777



7.1398, 0.2257, 0.1272



6.9232, 0.2987, 0.3072



2.2393, 0.1513, 0.0648



0.0658, 0.1575, 0.0869

Previews

White Background



This preview shows how the Yxy color 32.6425, 0.4140, 0.4789 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 Xy color 32.6425, 0.4140, 0.4789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

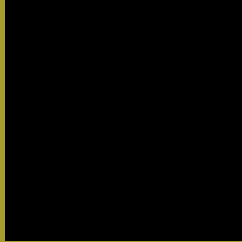
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6425, 0.4140, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 32.6425, 0.4140, 0.4789.



This preview shows how white text looks on a background with the Yxy color 32.6425, 0.4140, 0.4789.

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

32.6425, 0.4140, 0.4789

Protanopia

32.6232, 0.4271, 0.4703

Deuteranopia

32.5585, 0.4538, 0.4446



Tritanopia

32.3693, 0.3291, 0.3119

Trichromacy



Original Color

32.6425, 0.4140, 0.4789

Protanomaly

32.6167, 0.4229, 0.4734

Deuteranomaly

32.4139, 0.4387, 0.4568

Tritanomaly

32.0992, 0.3666, 0.3780

Monochromacy



Original Color

32.6425, 0.4140, 0.4789

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1290, 0.3558, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6425, 0.4140, 0.4789 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(165, 158, 45)` looks like.

```
.text, #text, p{  
    color:rgb(165, 158, 45)  
}
```

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(165, 158, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 158, 45) }
```

Border

The CSS property to change the border of an element to Yxy 32.6425, 0.4140, 0.4789 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(165, 158, 45) }
```

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

```
.border{ border-color:rgb(165, 158, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 158, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 158, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 158, 45);  
box-shadow:4px 4px 4px 4px rgb(165, 158,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6425, 0.4140, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 158, 45) }
```

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

```
.background{ background-color: rgb(165,  
158, 45) }
```

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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