

Converting Colors

$Y_{xy}(32.5738, 0.4632, 0.4544)$

Have a look what the booklet for
Yxy(32.5738, 0.4632, 0.4544)
contains.

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Color

Yxy(32.5738, 0.4632, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	C39320
RGB	195, 147, 32
RGB Percent	76%, 58%, 13%
CMY	0.2352, 0.4235, 0.8743
CMYK	0.00, 0.25, 0.84, 0.24
HSL	42°, 72%, 45%
HSV	42°, 84%, 76%
XYZ	33.2046, 32.5738, 5.9069
YIQ	148.2420, 65.5230, -25.5890

Conversions

Conversions Part 2

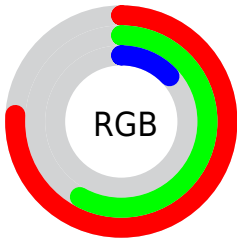
Format	Color
RYB	100, 195, 32
Decimal	12817184
CIELab	63.81, 8.12, 61.90
CIELCh	64, 62.430, 82.527
Yxy	32.5738, 0.4632, 0.4544
Android (android.graphics.Color)	4291007264 (0xFFC39320)
YUV	148.2420, -57.3073, 41.0068
Hunter-Lab	57.0735, 3.9705, 33.8152

Details

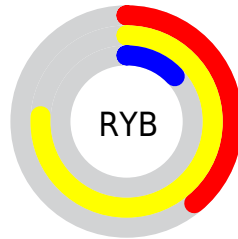
The Yxy color **32.5738, 0.4632, 0.4544** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **9.9969, 0.1749, 0.1312**, and the grayscale version is **29.9478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7379, 0.4382, 0.4372**, and **13.7836, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **30.7559, 0.4761, 0.4556**, and if you desaturate by 10%, it is **34.5470, 0.4473, 0.4483**.

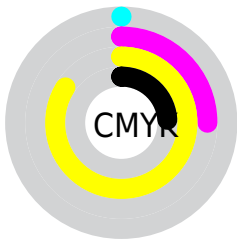
Distribution



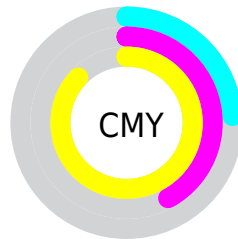
- Red (76%)
- Green (58%)
- Blue (13%)



- Red (39%)
- Yellow (76%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (84%)
- Black (24%)




- Cyan (24%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5738, 0.4632, 0.4544 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 32.5738, 0.4632, 0.4544 by changing the saturation by 10% instead.


 32.5738, 0.4632,
0.4544


 32.5738, 0.4632,
0.4544


313.7249, 0.3904,
0.3974


 21.8002, 0.4779,
0.4642


 63.7096, 0.4388,
0.4365


 13.7101, 0.4937,
0.4733


 84.8404, 0.4289,
0.4288


 7.9193, 0.5151,
0.4849


 110.1925, 0.4202,
0.4219

 4.0434, 0.5220,
0.4780

 140.1502, 0.4127,
0.4159

 1.6979, 0.5332,
0.4668

 175.0979, 0.4061,
0.4104

 0.4223, 0.5868,
0.4132

 215.4200, 0.4002,

 0.0000, 0.0000,

0.4056

0.0000

261.5008, 0.3951,
0.4013

■ 32.5738, 0.4632,
0.4544

■ 32.5738, 0.4632,
0.4544

■ 30.7559, 0.4761,
0.4556

■ 34.5470, 0.4473,
0.4483

■ 29.6534, 0.4833,
0.4545

■ 36.6814, 0.4291,
0.4377

■ 38.9880, 0.4097,
0.4237

■ 41.4750, 0.3898,
0.4072

■ 44.1496, 0.3702,
0.3893

■ 47.0187, 0.3515,
0.3709

■ 50.0887, 0.3341,
0.3527

■ 53.3654, 0.3181,
0.3351

■ 56.8546, 0.3035,
0.3184

Harmonies

Analogous

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



32.5738, 0.5031, 0.3866



32.5738, 0.4632, 0.4544



32.5738, 0.3869, 0.5053

Triad

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



32.5738, 0.4632, 0.4544



32.5738, 0.1656, 0.3022



32.5738, 0.3037, 0.2134

Complementary

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



32.5738, 0.4632, 0.4544



9.9969, 0.1749, 0.1312

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.



32.5738, 0.2205, 0.1896



32.5738, 0.4632, 0.4544



32.5738, 0.1518, 0.2268

Square

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



32.5738, 0.4632, 0.4544



32.5738, 0.2156, 0.4113



32.5738, 0.1700, 0.1922



32.5738, 0.4051, 0.2594

Rectangle

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



32.5738, 0.4632, 0.4544



32.5738, 0.3270, 0.5094



32.5738, 0.1700, 0.1922



32.5738, 0.2727, 0.2028

Sweetspot

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



32.5754, 0.4632, 0.4544



83.2297, 0.3548, 0.3743



13.2336, 0.5240, 0.2829



17.8195, 0.3615, 0.3809



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.5754, 0.4632, 0.4544



52.6433, 0.4845, 0.4535



46.8700, 0.3854, 0.5195



11.2408, 0.3272, 0.3452



19.4202, 0.4822, 0.4553



0.9539, 0.4651, 0.4689

Inverse Universe

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



9.9969, 0.1749, 0.1312



12.0070, 0.1598, 0.0954



6.0883, 0.1770, 0.0860



10.2209, 0.2984, 0.3123



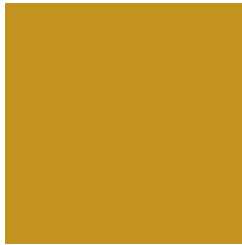
4.6212, 0.1612, 0.1002



0.3227, 0.1741, 0.1469

Previews

White Background



This preview shows how the Yxy color 32.5738, 0.4632, 0.4544 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 32.5738, 0.4632, 0.4544 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 32.5738, 0.4632, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 32.5738, 0.4632, 0.4544.



This preview shows how white text looks on a background with the Yxy color 32.5738, 0.4632, 0.4544.

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

32.5738, 0.4632, 0.4544

Protanopia

32.5569, 0.4316, 0.4769

Deuteranopia

32.5738, 0.4632, 0.4544



Tritanopia

32.5545, 0.3745, 0.3161

Trichromacy



Original Color

32.5738, 0.4632, 0.4544

Protanomaly

32.5114, 0.4437, 0.4685

Deuteranomaly

32.5738, 0.4632, 0.4544

Tritanomaly

32.2118, 0.4165, 0.3766

Monochromacy



Original Color

32.5738, 0.4632, 0.4544

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.2197, 0.3734, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5738, 0.4632, 0.4544 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(195, 147, 32)` looks like.

```
.text, #text, p{  
    color:rgb(195, 147, 32)  
}
```

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(195, 147, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 147, 32) }
```

Border

The CSS property to change the border of an element to Yxy 32.5738, 0.4632, 0.4544 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(195, 147, 32) }
```

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

```
.border{ border-color:rgb(195, 147, 32) }
```

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

Here you see how a box with a 4 pixel rgb(195, 147, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 147, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 147, 32);  
box-shadow:4px 4px 4px 4px rgb(195, 147,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5738, 0.4632, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 147, 32) }
```

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

```
.background{ background-color: rgb(195,  
147, 32) }
```

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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