

Converting Colors

$Yxy(32.0317, 0.4567, 0.4756)$

Have a look what the booklet for
Yxy(32.0317, 0.4567, 0.4756)
contains.

Yxy(32.0030, 0.4562, 0.4760)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.0030, 0.4562, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	B89600
RGB	184, 150, 0
RGB Percent	72%, 59%, 0%
CMY	0.2785, 0.4117, 1.0000
CMYK	0.00, 0.18, 1.00, 0.28
HSL	49°, 100%, 36%
HSV	49°, 100%, 72%
XYZ	30.6718, 32.0030, 4.5584
YIQ	143.0660, 68.4140, -39.4420

Conversions

Conversions Part 2

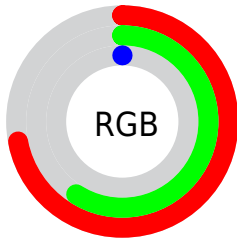
Format	Color
R _Y B	42, 184, 0
Decimal	12097024
CIE Lab	63.35, 0.95, 67.36
CIE LCh	63, 67.363, 89.193
Yxy	32.0030, 0.4562, 0.4760
Android (android.graphics.Color)	4290287104 (0xFFB89600)
YUV	143.0660, -70.5315, 35.8991
Hunter-Lab	56.5712, -2.2204, 34.8223

Details

The Yxy color **32.0030, 0.4562, 0.4760** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.6034, 0.1548, 0.0773**, and the grayscale version is **27.7636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8999, 0.4347, 0.4549**, and **13.5500, 0.4597, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **32.0047, 0.4562, 0.4760**, and if you desaturate by 10%, it is **33.1502, 0.4488, 0.4748**.

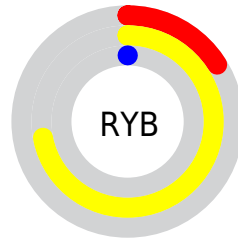
Distribution



Red (72%)

Green (59%)

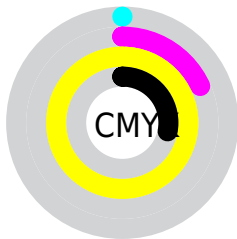
Blue (0%)



Red (16%)

Yellow (72%)

Blue (0%)

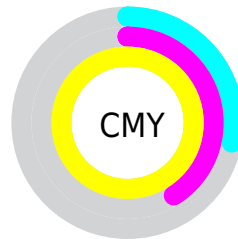


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0030, 0.4562, 0.4760 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 32.0030, 0.4562, 0.4760 by changing the saturation by 10% instead.


 32.0030, 0.4562,
0.4760


 32.0030, 0.4562,
0.4760


311.1329, 0.3895,
0.4082

 21.3638, 0.4680,
0.4878


 62.8158, 0.4349,
0.4545

 13.3902, 0.4806,
0.5001


 83.7582, 0.4259,
0.4454

 7.6978, 0.4906,
0.5094


 108.9037, 0.4179,
0.4372

 3.9022, 0.4915,
0.5085

 138.6368, 0.4108,
0.4300

 1.6190, 0.4929,
0.5071

 173.3419, 0.4045,
0.4236

 0.3704, 0.5032,
0.4968


 213.4034, 0.3989,


 0.0000, 0.0000,

0.4179


0.0000

 259.2056, 0.3939,
0.4128


 32.0030, 0.4562,
0.4760


 32.0030, 0.4562,
0.4760

 32.0047, 0.4562,
0.4760

 33.1502, 0.4488,
0.4748

 34.3697, 0.4390,
0.4698

 35.6792, 0.4265,
0.4602

 37.0869, 0.4117,
0.4466

 38.5994, 0.3954,
0.4298

■ 40.2228, 0.3783,
0.4106

■ 41.9624, 0.3609,
0.3903

■ 43.8233, 0.3440,
0.3694

■ 45.8101, 0.3279,
0.3489

Harmonies

Analogous

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



32.0030, 0.5119, 0.4037



32.0030, 0.4562, 0.4760



32.0030, 0.3687, 0.5253

Triad

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



32.0030, 0.4562, 0.4760



32.0030, 0.1492, 0.2765



32.0030, 0.3262, 0.2147

Complementary

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



32.0030, 0.4562, 0.4760



4.6034, 0.1548, 0.0773

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.



32.0030, 0.2303, 0.1840



32.0030, 0.4562, 0.4760



32.0030, 0.1431, 0.2071

Square

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



32.0030, 0.4562, 0.4760



32.0030, 0.1924, 0.3908



32.0030, 0.1695, 0.1798



32.0030, 0.4356, 0.2673

Rectangle

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



32.0030, 0.4562, 0.4760



32.0030, 0.3042, 0.5194



32.0030, 0.1695, 0.1798



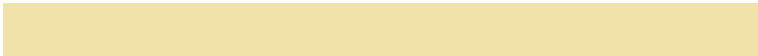
32.0030, 0.2909, 0.2018

Sweetspot

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



32.0047, 0.4562, 0.4760



75.9126, 0.3618, 0.3913



10.3216, 0.6074, 0.3120



16.0761, 0.3690, 0.3999



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.0047, 0.4562, 0.4760



57.6949, 0.4569, 0.4754



38.9285, 0.3673, 0.5466



10.2137, 0.3268, 0.3475



22.1554, 0.4556, 0.4764



0.8552, 0.4447, 0.4851

Inverse Universe

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



4.6034, 0.1548, 0.0773



8.0952, 0.1542, 0.0752



4.2782, 0.1702, 0.0711



8.9807, 0.2984, 0.3098



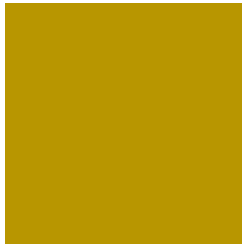
3.2506, 0.1553, 0.0789



0.1965, 0.1677, 0.1237

Previews

White Background



This preview shows how the Yxy color 32.0030, 0.4562, 0.4760 looks on a white background.

Color Contrast Check

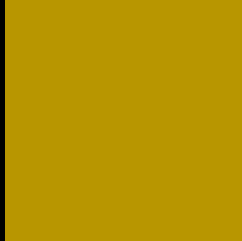
Large Text (above 18pt) WCAG AA × Fail

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 32.0030, 0.4562, 0.4760 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 32.0030, 0.4562, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 32.0030, 0.4562, 0.4760.

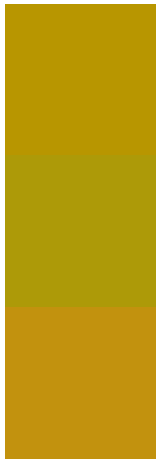


This preview shows how white text looks on a background with the Yxy color 32.0030, 0.4562, 0.4760.

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

32.0030, 0.4562, 0.4760

Protanopia

32.0130, 0.4386, 0.4870

Deuteranopia

32.0588, 0.4688, 0.4609



Tritanopia

31.8737, 0.3596, 0.3142

Trichromacy



Original Color

32.0030, 0.4562, 0.4760

Protanomaly

32.1405, 0.4445, 0.4835

Deuteranomaly

31.8343, 0.4645, 0.4662

Tritanomaly

31.2900, 0.4146, 0.3946

Monochromacy



Original Color

32.0030, 0.4562, 0.4760

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.5822, 0.3814, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0030, 0.4562, 0.4760 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(184, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 150, 0)  
}
```

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(184, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.0030, 0.4562, 0.4760 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(184, 150, 0) }
```

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

```
.border{ border-color:rgb(184, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0030, 0.4562, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 150, 0) }
```

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

```
.background{ background-color: rgb(184,  
150, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor