

Converting Colors

$Y_{xy}(32.5262, 0.4455, 0.4780)$

Have a look what the booklet for
Yxy(32.5262, 0.4455, 0.4780)
contains.

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Color

Yxy(32.5262, 0.4455, 0.4780)

Conversions

Conversions Part 1	
Format	Color
Hex	B49911
RGB	180, 153, 17
RGB Percent	71%, 60%, 7%
CMY	0.2941, 0.4000, 0.9338
CMYK	0.00, 0.15, 0.91, 0.29
HSL	50°, 83%, 39%
HSV	50°, 91%, 71%
XYZ	30.3147, 32.5262, 5.2056
YIQ	145.5690, 59.7480, -36.5720

Conversions

Conversions Part 2

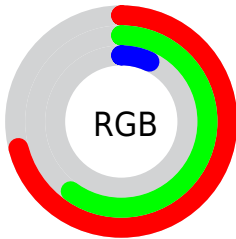
Format	Color
RYB	49, 180, 17
Decimal	11835665
CIELab	63.78, -2.24, 64.96
CIELCh	64, 64.994, 91.976
Yxy	32.5262, 0.4455, 0.4780
Android (android.graphics.Color)	4290025745 (0xFFB49911)
YUV	145.5690, -63.3845, 30.1960
Hunter-Lab	57.0317, -4.9256, 34.5105

Details

The Yxy color **32.5262, 0.4455, 0.4780** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.2060, 0.1607, 0.0894**, and the grayscale version is **28.8005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7301, 0.4259, 0.4547**, and **13.7137, 0.4517, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **31.5836, 0.4518, 0.4795**, and if you desaturate by 10%, it is **33.5959, 0.4365, 0.4729**.

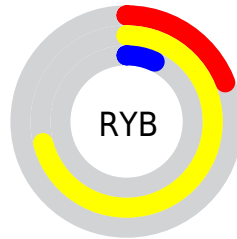
Distribution



Red (71%)

Green (60%)

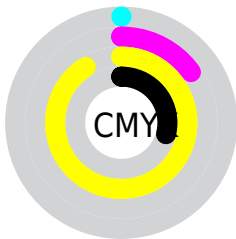
Blue (7%)



Red (19%)

Yellow (71%)

Blue (7%)

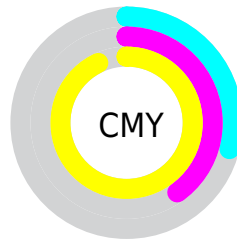


Cyan (0%)

Magenta (15%)

Yellow (91%)

Black (29%)



Cyan (29%)


Magenta (40%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5262, 0.4455, 0.4780 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 32.5262, 0.4455, 0.4780 by changing the saturation by 10% instead.


 32.5262, 0.4455,
0.4780


 32.5262, 0.4455,
0.4780

 313.5093, 0.3837,
0.4074


 21.7637, 0.4566,
0.4913


 63.6351, 0.4257,
0.4549

 13.6834, 0.4677,
0.5051


 84.7503, 0.4173,
0.4453


 7.9008, 0.4794,
0.5206


 110.0853, 0.4099,
0.4369

 4.0315, 0.4774,
0.5226

 140.0243, 0.4033,
0.4295

 1.6912, 0.4741,
0.5259

 174.9518, 0.3975,
0.4230

 0.4180, 0.4504,
0.5496

 215.2522, 0.3924,

 0.0000, 0.0000,

0.4172

0.0000

261.3099, 0.3878,
0.4120

32.5262, 0.4455,
0.4780

32.5262, 0.4455,
0.4780

31.5836, 0.4518,
0.4795


33.5959, 0.4365,
0.4729


34.7433, 0.4248,
0.4634


35.9776, 0.4108,
0.4497


37.3051, 0.3952,
0.4328

38.7316, 0.3785,
0.4135

 40.2621, 0.3615,
0.3928

 41.9013, 0.3448,
0.3716

 43.6536, 0.3287,
0.3506

 45.5230, 0.3136,
0.3302

Harmonies

Analogous

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



32.5262, 0.5023, 0.4094



32.5262, 0.4455, 0.4780



32.5262, 0.3595, 0.5190

Triad

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



32.5262, 0.4455, 0.4780



32.5262, 0.1525, 0.2710



32.5262, 0.3358, 0.2224

Complementary

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



32.5262, 0.4455, 0.4780



5.2060, 0.1607, 0.0894

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.



32.5262, 0.2406, 0.1902



32.5262, 0.4455, 0.4780



32.5262, 0.1493, 0.2076

Square

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



32.5262, 0.4455, 0.4780



32.5262, 0.1914, 0.3773



32.5262, 0.1780, 0.1837



32.5262, 0.4396, 0.2752

Rectangle

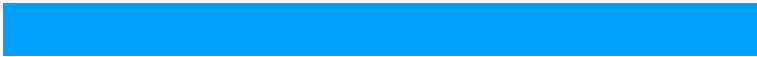
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.5262, 0.4455, 0.4780



32.5262, 0.2969, 0.5066



32.5262, 0.1780, 0.1837



32.5262, 0.3013, 0.2090

Sweetspot

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



32.5278, 0.4455, 0.4780



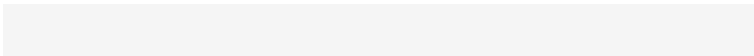
73.9180, 0.3562, 0.3861



10.2833, 0.5883, 0.3106



15.7664, 0.3619, 0.3932



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.5278, 0.4455, 0.4780



56.9705, 0.4524, 0.4790



37.0915, 0.3649, 0.5420



9.6624, 0.3267, 0.3479



22.1263, 0.4514, 0.4798



0.7597, 0.4411, 0.4880

Inverse Universe

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



5.2060, 0.1607, 0.0894



7.4149, 0.1535, 0.0727



5.0420, 0.1853, 0.0845



8.4499, 0.2985, 0.3094



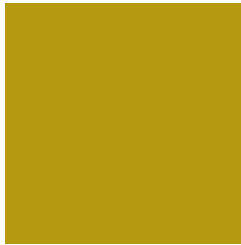
3.0091, 0.1545, 0.0762



0.1640, 0.1669, 0.1207

Previews

White Background



This preview shows how the Yxy color 32.5262, 0.4455, 0.4780 looks on a white background.

Color Contrast Check

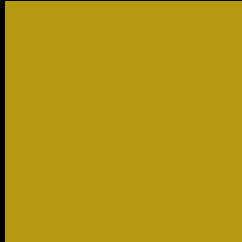
Large Text (above 18pt) WCAG AA × Fail

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 32.5262, 0.4455, 0.4780 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 32.5262, 0.4455, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 32.5262, 0.4455, 0.4780.

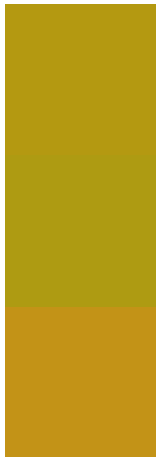


This preview shows how white text looks on a background with the Yxy color 32.5262, 0.4455, 0.4780.

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

32.5262, 0.4455, 0.4780

Protanopia

32.4850, 0.4366, 0.4843

Deuteranopia

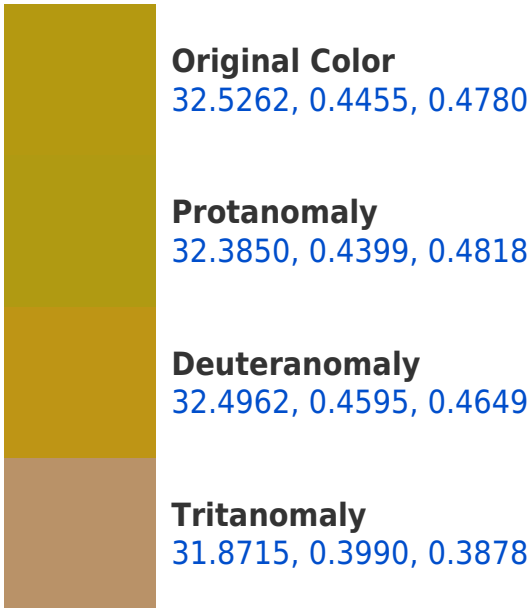
32.5314, 0.4663, 0.4584



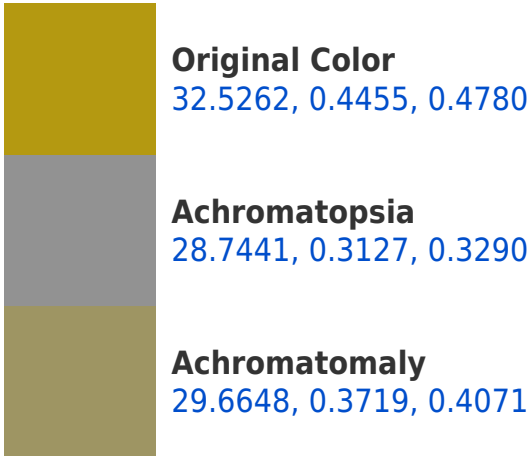
Tritanopia

32.3373, 0.3512, 0.3140

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5262, 0.4455, 0.4780 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(180, 153, 17)` looks like.

```
.text, #text, p{  
    color:rgb(180, 153, 17)  
}
```

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(180, 153, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 153, 17) }
```

Border

The CSS property to change the border of an element to Yxy 32.5262, 0.4455, 0.4780 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(180, 153, 17) }
```

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

```
.border{ border-color:rgb(180, 153, 17) }
```

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

Here you see how a box with a 4 pixel rgb(180, 153, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 153, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 153, 17);  
box-shadow:4px 4px 4px 4px rgb(180, 153,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5262, 0.4455, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 153, 17) }
```

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

```
.background{ background-color: rgb(180,  
153, 17) }
```

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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