

Converting Colors

$Y_{xy}(32.2137, 0.4490, 0.4477)$

Have a look what the booklet for
Yxy(32.2137, 0.4490, 0.4477)
contains.

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Color

Yxy(32.3487, 0.4486, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	BE9431
RGB	190, 148, 49
RGB Percent	75%, 58%, 19%
CMY	0.2550, 0.4196, 0.8076
CMYK	0.00, 0.22, 0.74, 0.25
HSL	42°, 59%, 47%
HSV	42°, 74%, 75%
XYZ	32.3776, 32.3487, 7.4484
YIQ	149.2720, 56.8110, -21.8850

Conversions

Conversions Part 2

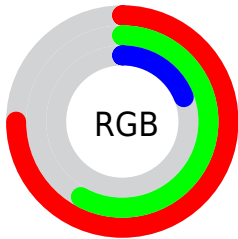
Format	Color
R _Y B	109, 190, 49
Decimal	12489777
CIE Lab	63.63, 5.97, 55.50
CIE LCh	64, 55.817, 83.865
Yxy	32.3487, 0.4486, 0.4482
Android (android.graphics.Color)	4290679857 (0xFFBE9431)
YUV	149.2720, -49.4341, 35.7185
Hunter-Lab	56.8759, 2.0813, 32.0486

Details

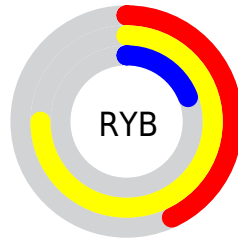
The Yxy color **32.3487, 0.4486, 0.4482** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.8578, 0.1872, 0.1552**, and the grayscale version is **30.3725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5244, 0.4253, 0.4293**, and **13.6409, 0.4718, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **30.4900, 0.4645, 0.4540**, and if you desaturate by 10%, it is **34.3650, 0.4304, 0.4379**.

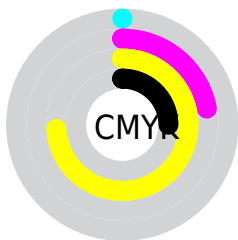
Distribution



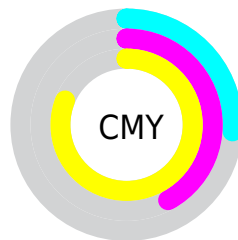
- Red (75%)
- Green (58%)
- Blue (19%)



- Red (43%)
- Yellow (75%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (74%)
- Black (25%)




- Cyan (26%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3487, 0.4486, 0.4482 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 32.3487, 0.4486, 0.4482 by changing the saturation by 10% instead.


 32.3487, 0.4486,
0.4482


 32.3487, 0.4486,
0.4482


312.7046, 0.3815,
0.3917

 21.6280, 0.4630,
0.4592


 63.3573, 0.4255,
0.4295

 13.5838, 0.4793,
0.4707

 84.4141, 0.4163,
0.4218


 7.8318, 0.5024,
0.4868


 109.6849, 0.4084,
0.4151

 3.9875, 0.5130,
0.4870

 139.5542, 0.4015,
0.4092

 1.6666, 0.5215,
0.4785

 174.4065, 0.3955,
0.4040

 0.4019, 0.5676,
0.4324

 214.6260, 0.3903,

 0.0000, 0.0000,

0.3994

0.0000

260.5973, 0.3856,
0.3953

■ 32.3487, 0.4486,
0.4482

■ 32.3487, 0.4486,
0.4482

■ 30.4900, 0.4645,
0.4540

■ 34.3650, 0.4304,
0.4379

■ 28.7737, 0.4774,
0.4549

■ 36.5429, 0.4109,
0.4241

■ 27.8302, 0.4840,
0.4539

■ 38.8916, 0.3910,
0.4078

■ 41.4183, 0.3714,
0.3901

■ 44.1293, 0.3526,
0.3718

■ 47.0306, 0.3351,
0.3536

■ 50.1279, 0.3190,
0.3361

■ 53.4266, 0.3044,
0.3194

■ 56.9316, 0.2912,
0.3039

Harmonies

Analogous

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



32.3487, 0.4847, 0.3875



32.3487, 0.4486, 0.4482



32.3487, 0.3790, 0.4890

Triad

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



32.3487, 0.4486, 0.4482



32.3487, 0.1774, 0.3025



32.3487, 0.3092, 0.2247

Complementary

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



32.3487, 0.4486, 0.4482



11.8578, 0.1872, 0.1552

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.



32.3487, 0.2319, 0.2016



32.3487, 0.4486, 0.4482



32.3487, 0.1651, 0.2350

Square

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



32.3487, 0.4486, 0.4482



32.3487, 0.2228, 0.3979



32.3487, 0.1834, 0.2034



32.3487, 0.3998, 0.2683

Rectangle

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



32.3487, 0.4486, 0.4482



32.3487, 0.3241, 0.4881



32.3487, 0.1834, 0.2034



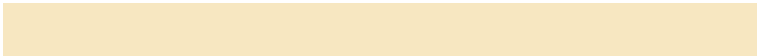
32.3487, 0.2808, 0.2144

Sweetspot

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



32.3503, 0.4486, 0.4482



80.9169, 0.3493, 0.3684



13.9071, 0.4894, 0.2808



17.4612, 0.3543, 0.3735



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



32.3503, 0.4486, 0.4482



53.2856, 0.4729, 0.4552



44.7027, 0.3831, 0.5063



10.6276, 0.3271, 0.3450



18.6509, 0.4829, 0.4548



0.8395, 0.4643, 0.4695

Inverse Universe

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



11.8578, 0.1872, 0.1552



14.7620, 0.1683, 0.1172



7.5056, 0.1913, 0.1066



9.6762, 0.2984, 0.3124



4.5121, 0.1615, 0.1012



0.2947, 0.1755, 0.1516

Previews

White Background



This preview shows how the Yxy color 32.3487, 0.4486, 0.4482 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 32.3487, 0.4486, 0.4482 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 32.3487, 0.4486, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 32.3487, 0.4486, 0.4482.



This preview shows how white text looks on a background with the Yxy color 32.3487, 0.4486, 0.4482.

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

32.3487, 0.4486, 0.4482

Protanopia

32.5659, 0.4223, 0.4654

Deuteranopia

32.4352, 0.4522, 0.4445



Tritanopia

32.2172, 0.3665, 0.3145

Trichromacy



Original Color

32.3487, 0.4486, 0.4482

Protanomaly

32.2705, 0.4323, 0.4590

Deuteranomaly

32.3042, 0.4512, 0.4451

Tritanomaly

32.0076, 0.4018, 0.3685

Monochromacy



Original Color

32.3487, 0.4486, 0.4482

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5797, 0.3647, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3487, 0.4486, 0.4482 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(190, 148, 49)` looks like.

```
.text, #text, p{  
    color:rgb(190, 148, 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(190, 148, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 148, 49) }
```

Border

The CSS property to change the border of an element to Yxy 32.3487, 0.4486, 0.4482 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(190, 148, 49) }
```

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

```
.border{ border-color:rgb(190, 148, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 148, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 148, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 148, 49);  
box-shadow:4px 4px 4px 4px rgb(190, 148,  
49) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.3487, 0.4486, 0.4482$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 148, 49) }
```

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

```
.background{ background-color: rgb(190,  
148, 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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