

Converting Colors

$Y_{xy}(33.9732, 0.4515, 0.4625)$

Have a look what the booklet for
Yxy(33.9732, 0.4515, 0.4625)
contains.

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Color

Yxy(33.9743, 0.4515, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	BF9922
RGB	191, 153, 34
RGB Percent	75%, 60%, 13%
CMY	0.2510, 0.4000, 0.8669
CMYK	0.00, 0.20, 0.82, 0.25
HSL	45°, 70%, 44%
HSV	45°, 82%, 75%
XYZ	33.1663, 33.9743, 6.3174
YIQ	150.7960, 60.8470, -28.9530

Conversions

Conversions Part 2

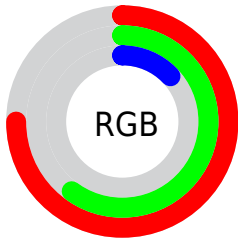
Format	Color
RYB	84, 191, 34
Decimal	12556578
CIELab	64.94, 3.12, 62.13
CIELCh	65, 62.207, 87.123
Yxy	33.9743, 0.4515, 0.4625
Android (android.graphics.Color)	4290746658 (0xFFBF9922)
YUV	150.7960, -57.5804, 35.2589
Hunter-Lab	58.2875, -0.4345, 34.3752

Details

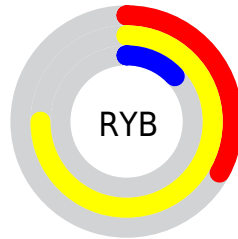
The Yxy color **33.9743, 0.4515, 0.4625** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.7269, 0.1733, 0.1222**, and the grayscale version is **31.0850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8731, 0.4296, 0.4426**, and **14.4893, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **32.4112, 0.4627, 0.4654**, and if you desaturate by 10%, it is **35.6605, 0.4374, 0.4548**.

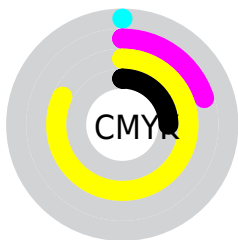
Distribution



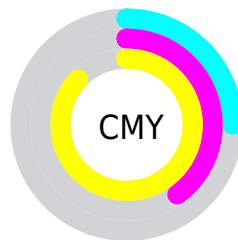
- Red (75%)
- Green (60%)
- Blue (13%)



- Red (33%)
- Yellow (75%)
- Blue (13%)



- Cyan (0%)
- Magenta (20%)
- Yellow (82%)
- Black (25%)




- Cyan (25%)
- Magenta (40%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9743, 0.4515, 0.4625 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 33.9743, 0.4515, 0.4625 by changing the saturation by 10% instead.

 33.9743, 0.4515,
0.4625

 33.9743, 0.4515,
0.4625


320.0174, 0.3854,
0.4004


 22.8739, 0.4645,
0.4740


 65.8937, 0.4296,
0.4424


 14.5004, 0.4783,
0.4856


 87.4814, 0.4206,
0.4340


 8.4695, 0.4979,
0.5021

 113.3338, 0.4127,
0.4265

 4.3968, 0.5005,
0.4995

 143.8350, 0.4059,
0.4200

 1.8979, 0.5047,
0.4953

 179.3696, 0.3998,
0.4142

 0.5471, 0.5215,
0.4785

 220.3220, 0.3944,

 0.0000, 0.0000,

0.4091

0.0000

267.0764, 0.3897,
0.4045

■ 33.9743, 0.4515,
0.4625

■ 33.9743, 0.4515,
0.4625

■ 32.4112, 0.4627,
0.4654

■ 35.6605, 0.4374,
0.4548

■ 31.2653, 0.4698,
0.4651

■ 37.4742, 0.4211,
0.4429

■ 39.4254, 0.4032,
0.4276

■ 41.5209, 0.3847,
0.4099

■ 43.7674, 0.3663,
0.3908

■ 46.1706, 0.3485,
0.3712

■ 48.7361, 0.3316,
0.3518

■ 51.4690, 0.3160,
0.3331

■ 54.3741, 0.3017,
0.3153

Harmonies

Analogous

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



33.9743, 0.4975, 0.3967



33.9743, 0.4515, 0.4625



33.9743, 0.3730, 0.5061

Triad

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



33.9743, 0.4515, 0.4625



33.9743, 0.1635, 0.2888



33.9743, 0.3189, 0.2207

Complementary

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



33.9743, 0.4515, 0.4625



8.7269, 0.1733, 0.1222

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.



33.9743, 0.2325, 0.1935



33.9743, 0.4515, 0.4625



33.9743, 0.1547, 0.2209

Square

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



33.9743, 0.4515, 0.4625



33.9743, 0.2074, 0.3929



33.9743, 0.1775, 0.1919



33.9743, 0.4180, 0.2690

Rectangle

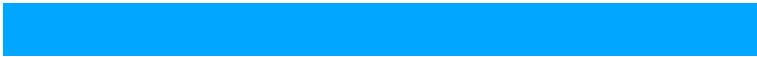
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9743, 0.4515, 0.4625



33.9743, 0.3134, 0.5018



33.9743, 0.1775, 0.1919



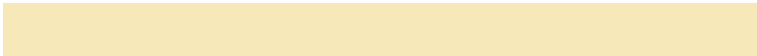
33.9743, 0.2872, 0.2090

Sweetspot

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



33.9760, 0.4515, 0.4625



81.2949, 0.3540, 0.3774



12.7010, 0.5345, 0.2918



17.5153, 0.3604, 0.3844



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.



33.9760, 0.4515, 0.4625



55.8546, 0.4699, 0.4646



44.0296, 0.3780, 0.5230



10.7187, 0.3270, 0.3463



20.6760, 0.4690, 0.4658



0.9058, 0.4548, 0.4771

Inverse Universe

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



8.7269, 0.1733, 0.1222



10.1677, 0.1575, 0.0862



6.3262, 0.1848, 0.0918



9.5902, 0.2984, 0.3111



3.8744, 0.1581, 0.0890



0.2575, 0.1714, 0.1369

Previews

White Background



This preview shows how the Yxy color 33.9743, 0.4515, 0.4625 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 33.9743, 0.4515, 0.4625 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 33.9743, 0.4515, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 33.9743, 0.4515, 0.4625.



This preview shows how white text looks on a background with the Yxy color 33.9743, 0.4515, 0.4625.

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

33.9743, 0.4515, 0.4625

Protanopia

33.9222, 0.4312, 0.4771

Deuteranopia

34.0822, 0.4620, 0.4528



Tritanopia

34.0869, 0.3627, 0.3160

Trichromacy



Original Color

33.9743, 0.4515, 0.4625

Protanomaly

33.8434, 0.4385, 0.4714

Deuteranomaly

33.9903, 0.4583, 0.4564

Tritanomaly

33.7290, 0.4042, 0.3785

Monochromacy



Original Color

33.9743, 0.4515, 0.4625

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6462, 0.3706, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9743, 0.4515, 0.4625 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(191, 153, 34)` looks like.

```
.text, #text, p{  
    color:rgb(191, 153, 34)  
}
```

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(191, 153, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 153, 34) }
```

Border

The CSS property to change the border of an element to Yxy 33.9743, 0.4515, 0.4625 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(191, 153, 34) }
```

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

```
.border{ border-color:rgb(191, 153, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 153, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 153, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 153, 34);  
box-shadow:4px 4px 4px 4px rgb(191, 153,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9743, 0.4515, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 153, 34) }
```

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

```
.background{ background-color: rgb(191,  
153, 34) }
```

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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