

Converting Colors

$Y_{xy}(29.3574, 0.4540, 0.4356)$

Have a look what the booklet for
Yxy(29.3574, 0.4540, 0.4356)
contains.

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Color

Yxy(29.4136, 0.4538, 0.4360)

Conversions

Conversions Part 1	
Format	Color
Hex	BC8B35
RGB	188, 139, 53
RGB Percent	74%, 55%, 21%
CMY	0.2628, 0.4549, 0.7921
CMYK	0.00, 0.26, 0.72, 0.26
HSL	38°, 56%, 47%
HSV	38°, 72%, 74%
XYZ	30.6144, 29.4136, 7.4344
YIQ	143.8470, 56.8100, -16.3580

Conversions

Conversions Part 2

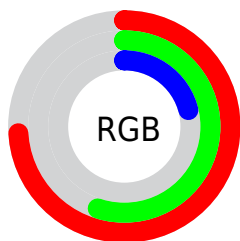
Format	Color
RYB	130, 188, 53
Decimal	12356405
CIELab	61.14, 10.22, 51.26
CIELCh	61, 52.273, 78.726
Yxy	29.4136, 0.4538, 0.4360
Android (android.graphics.Color)	4290546485 (0xFFBC8B35)
YUV	143.8470, -44.7876, 38.7222
Hunter-Lab	54.2343, 5.8505, 29.8366

Details

The Yxy color **29.4136, 0.4538, 0.4360** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.8941, 0.1945, 0.1767**, and the grayscale version is **27.9932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6552, 0.4291, 0.4191**, and **11.8906, 0.4860, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **27.3596, 0.4732, 0.4418**, and if you desaturate by 10%, it is **31.6618, 0.4326, 0.4259**.

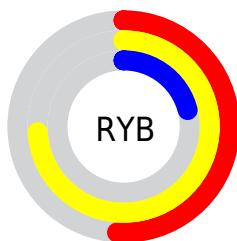
Distribution



Red (74%)

Green (55%)

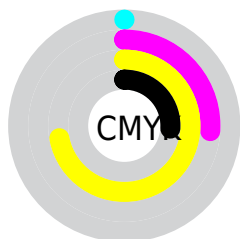
Blue (21%)



Red (51%)

Yellow (74%)

Blue (21%)

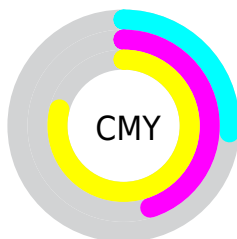


Cyan (0%)

Magenta (26%)

Yellow (72%)

Black (26%)



Cyan (26%)


Magenta (45%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4136, 0.4538, 0.4360 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 29.4136, 0.4538, 0.4360 by changing the saturation by 10% instead.


 29.4136, 0.4538,
0.4360


 29.4136, 0.4538,
0.4360


299.1615, 0.3819,
0.3851


 19.3939, 0.4702,
0.4458


 58.7336, 0.4283,
0.4192


 11.9553, 0.4894,
0.4558


 78.8027, 0.4184,
0.4123

 6.7132, 0.5178,
0.4702


 102.9903, 0.4100,
0.4062

 3.2834, 0.5337,
0.4663

 131.6810, 0.4028,
0.4009

 1.2814, 0.5499,
0.4501

 165.2591, 0.3965,
0.3962

 0.1268, 0.7448,
0.2552


 204.1089, 0.3910,


 0.0000, 0.0000,

0.3921

0.0000

248.6149, 0.3862,
0.3884


 29.4136, 0.4538,
0.4360

 29.4136, 0.4538,
0.4360

 27.3596, 0.4732,
0.4418

 31.6618, 0.4326,
0.4259

 25.4846, 0.4898,
0.4425

 34.1090, 0.4107,
0.4126

 24.0662, 0.5015,
0.4400


 36.7650, 0.3890,
0.3972


 39.6374, 0.3683,
0.3807

 42.7334, 0.3490,
0.3640

 46.0596, 0.3313,
0.3475

 49.6222, 0.3154,
0.3317

 53.4273, 0.3011,
0.3169

 57.4806, 0.2884,
0.3031

Harmonies

Analogous

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



29.4136, 0.4806, 0.3761



29.4136, 0.4538, 0.4360



29.4136, 0.3906, 0.4800

Triad

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



29.4136, 0.4538, 0.4360



29.4136, 0.1866, 0.3184



29.4136, 0.2951, 0.2221

Complementary

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



29.4136, 0.4538, 0.4360



13.8941, 0.1945, 0.1767

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.



29.4136, 0.2242, 0.2035



29.4136, 0.4538, 0.4360



29.4136, 0.1689, 0.2468

Square

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



29.4136, 0.4538, 0.4360



29.4136, 0.2365, 0.4112



29.4136, 0.1818, 0.2100



29.4136, 0.3825, 0.2617

Rectangle

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



29.4136, 0.4538, 0.4360



29.4136, 0.3383, 0.4855



29.4136, 0.1818, 0.2100



29.4136, 0.2686, 0.2133

Sweetspot

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



29.4151, 0.4538, 0.4360



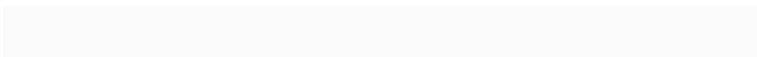
77.1221, 0.3500, 0.3649



14.2089, 0.4628, 0.2691



16.2507, 0.3551, 0.3694



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.4151, 0.4538, 0.4360



47.6403, 0.4829, 0.4428



44.7693, 0.3906, 0.4967



10.5222, 0.3273, 0.3436



16.5309, 0.5002, 0.4411



0.7677, 0.4761, 0.4601

Inverse Universe

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



13.8941, 0.1945, 0.1767



18.2263, 0.1758, 0.1407



7.5193, 0.1882, 0.1093



9.7771, 0.2984, 0.3140



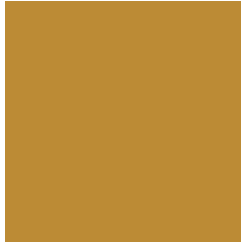
5.4368, 0.1661, 0.1178



0.3386, 0.1800, 0.1679

Previews

White Background



This preview shows how the Yxy color 29.4136, 0.4538, 0.4360 looks on a white background.

Color Contrast Check

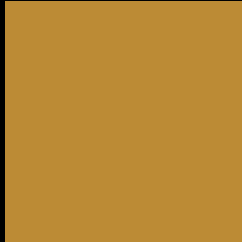
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4136, 0.4538, 0.4360 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4136, 0.4538, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 29.4136, 0.4538, 0.4360.



This preview shows how white text looks on a background with the Yxy color 29.4136, 0.4538, 0.4360.

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

29.4136, 0.4538, 0.4360

Protanopia

29.4647, 0.4171, 0.4582

Deuteranopia

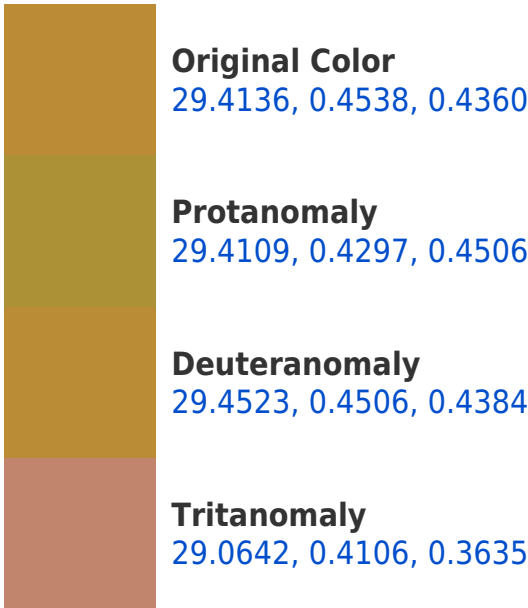
29.3275, 0.4495, 0.4390



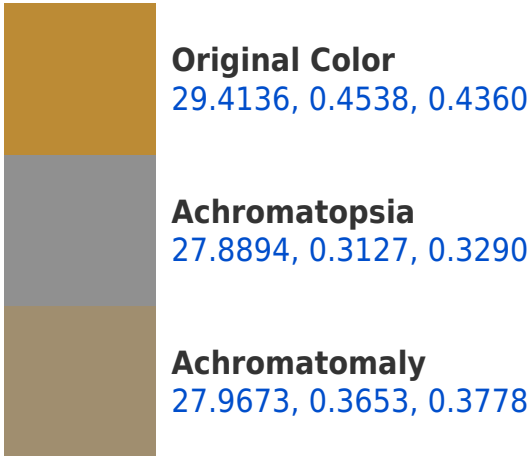
Tritanopia

29.3280, 0.3763, 0.3156

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4136, 0.4538, 0.4360 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(188, 139, 53)` looks like.

```
.text, #text, p{  
    color:rgb(188, 139, 53)  
}
```

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(188, 139, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 139, 53) }
```

Border

The CSS property to change the border of an element to Yxy 29.4136, 0.4538, 0.4360 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(188, 139, 53) }
```

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

```
.border{ border-color:rgb(188, 139, 53) }
```

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

Here you see how a box with a 4 pixel rgb(188, 139, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 139, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 139, 53);  
box-shadow:4px 4px 4px 4px rgb(188, 139,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4136, 0.4538, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 139, 53) }
```

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

```
.background{ background-color: rgb(188,  
139, 53) }
```

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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