

Converting Colors

$Y_{xy}(28.6201, 0.4398, 0.4313)$

Have a look what the booklet for
Yxy(28.6201, 0.4398, 0.4313)
contains.

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Color

Yxy(28.6368, 0.4395, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	B58B3E
RGB	181, 139, 62
RGB Percent	71%, 55%, 24%
CMY	0.2902, 0.4549, 0.7567
CMYK	0.00, 0.23, 0.66, 0.29
HSL	39°, 49%, 48%
HSV	39°, 66%, 71%
XYZ	29.1610, 28.6368, 8.5526
YIQ	142.7800, 49.7490, -15.0430

Conversions

Conversions Part 2

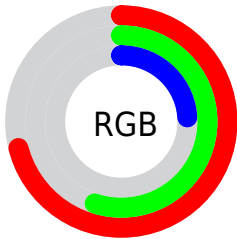
Format	Color
R_{YB}	127, 181, 62
Decimal	11897662
CIE _{Lab}	60.46, 7.66, 46.17
CIE _{LCh}	60, 46.805, 80.580
Yxy	28.6368, 0.4395, 0.4316
Android (android.graphics.Color)	4290087742 (0xFFB58B3E)
YUV	142.7800, -39.8245, 33.5189
Hunter-Lab	53.5134, 3.6214, 27.9836

Details

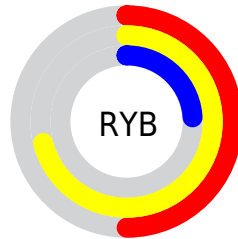
The Yxy color **28.6368, 0.4395, 0.4316** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.2720, 0.2032, 0.1897**, and the grayscale version is **27.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4168, 0.4160, 0.4135**, and **11.5223, 0.4751, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **26.6741, 0.4597, 0.4403**, and if you desaturate by 10%, it is **30.7767, 0.4181, 0.4192**.

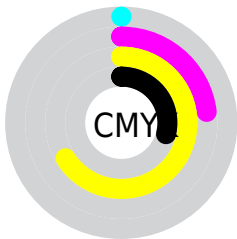
Distribution



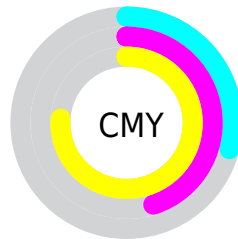
- Red (71%)
- Green (55%)
- Blue (24%)



- Red (50%)
- Yellow (71%)
- Blue (24%)



- Cyan (0%)
- Magenta (23%)
- Yellow (66%)
- Black (29%)





- Cyan (29%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6368, 0.4395, 0.4316 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 28.6368, 0.4395, 0.4316 by changing the saturation by 10% instead.

 28.6368, 0.4395,
0.4316


 28.6368, 0.4395,
0.4316


 295.4974, 0.3739,
0.3810


 18.8062, 0.4551,
0.4424


 57.4995, 0.4158,
0.4142


 11.5304, 0.4739,
0.4543


 77.3005, 0.4068,
0.4073

 6.4248, 0.4988,
0.4689


 101.1937, 0.3992,
0.4013

 3.1050, 0.5230,
0.4770

 129.5636, 0.3926,
0.3961

 1.1868, 0.5360,
0.4640

 162.7945, 0.3870,
0.3916

 0.0509, 0.8222,
0.1778

 201.2708, 0.3820,

 0.0000, 0.0000,

0.3877

0.0000

245.3770, 0.3777,
0.3841

■ 28.6368, 0.4395,
0.4316

■ 28.6368, 0.4395,
0.4316

■ 26.6741, 0.4597,
0.4403

■ 30.7767, 0.4181,
0.4192

■ 24.8758, 0.4776,
0.4445

■ 33.0974, 0.3966,
0.4043

■ 23.2326, 0.4925,
0.4436

■ 35.6072, 0.3758,
0.3880

■ 22.5695, 0.4985,
0.4424

■ 38.3126, 0.3561,
0.3711

■ 41.2198, 0.3379,
0.3542

■ 44.3343, 0.3214,
0.3380

■ 47.6617, 0.3066,
0.3225

■ 51.2071, 0.2933,
0.3081

■ 54.9755, 0.2815,
0.2948

Harmonies

Analogous

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



28.6368, 0.4651, 0.3777



28.6368, 0.4395, 0.4316



28.6368, 0.3811, 0.4675

Triad

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



28.6368, 0.4395, 0.4316



28.6368, 0.1955, 0.3156



28.6368, 0.3019, 0.2324

Complementary

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



28.6368, 0.4395, 0.4316



14.2720, 0.2032, 0.1897

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.



28.6368, 0.2353, 0.2139



28.6368, 0.4395, 0.4316



28.6368, 0.1804, 0.2520

Square

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



28.6368, 0.4395, 0.4316



28.6368, 0.2404, 0.3977



28.6368, 0.1940, 0.2190



28.6368, 0.3808, 0.2704

Rectangle

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



28.6368, 0.4395, 0.4316



28.6368, 0.3329, 0.4684



28.6368, 0.1940, 0.2190



28.6368, 0.2773, 0.2238

Sweetspot

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



28.6382, 0.4395, 0.4316



71.3705, 0.3461, 0.3619



14.3077, 0.4430, 0.2712



15.1169, 0.3512, 0.3666



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.



28.6382, 0.4395, 0.4316



46.2520, 0.4683, 0.4428



41.4158, 0.3868, 0.4862



9.3915, 0.3272, 0.3437



15.6909, 0.4972, 0.4434



0.5985, 0.4705, 0.4646

Inverse Universe

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



14.2720, 0.2032, 0.1897



18.8302, 0.1831, 0.1545



8.4011, 0.1992, 0.1268



8.7048, 0.2985, 0.3139



4.9407, 0.1655, 0.1156



0.2678, 0.1819, 0.1749

Previews

White Background



This preview shows how the Yxy color 28.6368, 0.4395, 0.4316 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 28.6368, 0.4395, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

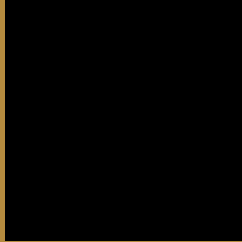
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6368, 0.4395, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 28.6368, 0.4395, 0.4316.



This preview shows how white text looks on a background with the Yxy color 28.6368, 0.4395, 0.4316.

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

28.6368, 0.4395, 0.4316

Protanopia

28.6093, 0.4097, 0.4491

Deuteranopia

28.6368, 0.4395, 0.4316



Tritanopia

28.7205, 0.3667, 0.3152

Trichromacy



Original Color

28.6368, 0.4395, 0.4316

Protanomaly

28.4388, 0.4213, 0.4424

Deuteranomaly

28.6368, 0.4395, 0.4316

Tritanomaly

28.5343, 0.3973, 0.3604

Monochromacy



Original Color

28.6368, 0.4395, 0.4316

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.7290, 0.3586, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6368, 0.4395, 0.4316 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(181, 139, 62)` looks like.

```
.text, #text, p{  
    color:rgb(181, 139, 62)  
}
```

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(181, 139, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 139, 62) }
```

Border

The CSS property to change the border of an element to Yxy 28.6368, 0.4395, 0.4316 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(181, 139, 62) }
```

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

```
.border{ border-color:rgb(181, 139, 62) }
```

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

Here you see how a box with a 4 pixel rgb(181, 139, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 139, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 139, 62);  
box-shadow:4px 4px 4px 4px rgb(181, 139,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6368, 0.4395, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 139, 62) }
```

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

```
.background{ background-color: rgb(181,  
139, 62) }
```

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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