

Converting Colors

$Y_{xy}(27.5078, 0.4428, 0.4321)$

Have a look what the booklet for
Yxy(27.5078, 0.4428, 0.4321)
contains.

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Color

Yxy(27.5078, 0.4428, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	B3883B
RGB	179, 136, 59
RGB Percent	70%, 53%, 23%
CMY	0.2979, 0.4667, 0.7685
CMYK	0.00, 0.24, 0.67, 0.30
HSL	38°, 50%, 47%
HSV	38°, 67%, 70%
XYZ	28.1890, 27.5078, 7.9640
YIQ	140.0790, 50.3450, -14.8310

Conversions

Conversions Part 2

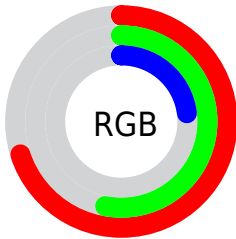
Format	Color
R_{YB}	126, 179, 59
Decimal	11765819
CIE _{Lab}	59.44, 8.26, 46.43
CIE _{LCh}	59, 47.160, 79.912
Yxy	27.5078, 0.4428, 0.4321
Android (android.graphics.Color)	4289955899 (0xFFB3883B)
YUV	140.0790, -39.9719, 34.1337
Hunter-Lab	52.4479, 4.1540, 27.7106

Details

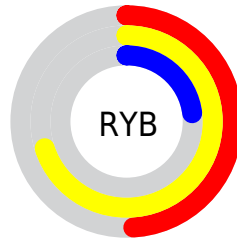
The Yxy color **27.5078, 0.4428, 0.4321** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.6995, 0.2016, 0.1878**, and the grayscale version is **26.4036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6981, 0.4184, 0.4141**, and **10.8753, 0.4799, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **25.5997, 0.4630, 0.4402**, and if you desaturate by 10%, it is **29.5906, 0.4213, 0.4202**.

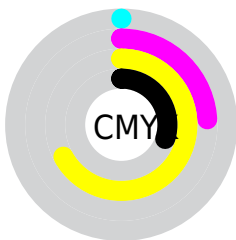
Distribution



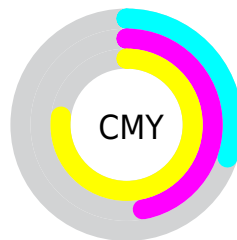
- Red (70%)
- Green (53%)
- Blue (23%)



- Red (49%)
- Yellow (70%)
- Blue (23%)



- Cyan (0%)
- Magenta (24%)
- Yellow (67%)
- Black (30%)




- Cyan (30%)
- Magenta (47%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5078, 0.4428, 0.4321 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 27.5078, 0.4428, 0.4321 by changing the saturation by 10% instead.


 27.5078, 0.4428,
0.4321


 27.5078, 0.4428,
0.4321


 290.1075, 0.3751,
0.3813

 17.9550, 0.4589,
0.4428


 55.6977, 0.4183,
0.4147

 10.9177, 0.4783,
0.4544


 75.1035, 0.4090,
0.4077


 6.0115, 0.5060,
0.4703

 98.5624, 0.4011,
0.4017

 2.8521, 0.5268,
0.4732

 126.4588, 0.3944,
0.3965

 1.0550, 0.5417,
0.4583

 159.1771, 0.3886,
0.3920

 0.0000, 1.0000,
0.0000

 197.1018, 0.3835,

 0.0000, 0.0000,

0.3880

0.0000

240.6171, 0.3791,
0.3844

■ 27.5078, 0.4428,
0.4321

■ 27.5078, 0.4428,
0.4321

■ 25.5997, 0.4630,
0.4402

■ 29.5906, 0.4213,
0.4202

■ 23.8536, 0.4808,
0.4436

■ 31.8518, 0.3997,
0.4057

■ 22.2591, 0.4957,
0.4421

■ 34.2997, 0.3786,
0.3896

■ 21.8092, 0.4999,
0.4413

■ 36.9408, 0.3586,
0.3729

■ 39.7811, 0.3402,
0.3561

■ 42.8262, 0.3235,
0.3399

■ 46.0816, 0.3084,
0.3245

■ 49.5524, 0.2950,
0.3101

■ 53.2435, 0.2830,
0.2967

Harmonies

Analogous

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



27.5078, 0.4683, 0.3769



27.5078, 0.4428, 0.4321



27.5078, 0.3836, 0.4699

Triad

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



27.5078, 0.4428, 0.4321



27.5078, 0.1940, 0.3168



27.5078, 0.2998, 0.2301

Complementary

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



27.5078, 0.4428, 0.4321



13.6995, 0.2016, 0.1878

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.



27.5078, 0.2325, 0.2117



27.5078, 0.4428, 0.4321



27.5078, 0.1781, 0.2514

Square

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



27.5078, 0.4428, 0.4321



27.5078, 0.2402, 0.4011



27.5078, 0.1913, 0.2174



27.5078, 0.3805, 0.2682

Rectangle

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



27.5078, 0.4428, 0.4321



27.5078, 0.3347, 0.4720



27.5078, 0.1913, 0.2174



27.5078, 0.2749, 0.2215

Sweetspot

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



27.5091, 0.4428, 0.4321



69.5028, 0.3461, 0.3616



13.6966, 0.4469, 0.2707



15.0846, 0.3512, 0.3663



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.



27.5091, 0.4428, 0.4321



44.4486, 0.4710, 0.4423



40.3560, 0.3876, 0.4884



9.3837, 0.3272, 0.3436



15.5330, 0.4987, 0.4422



0.5943, 0.4714, 0.4639

Inverse Universe

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



13.6995, 0.2016, 0.1878



18.2251, 0.1823, 0.1537



7.8825, 0.1970, 0.1231



8.7124, 0.2985, 0.3140



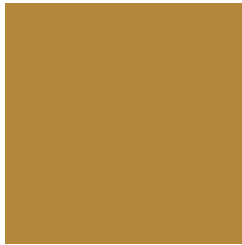
5.0195, 0.1659, 0.1171



0.2709, 0.1823, 0.1763

Previews

White Background



This preview shows how the Yxy color 27.5078, 0.4428, 0.4321 looks on a white background.

Color Contrast Check

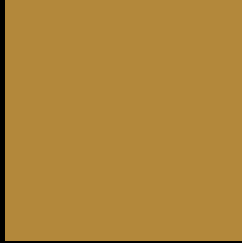
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5078, 0.4428, 0.4321 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 27.5078, 0.4428, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 27.5078, 0.4428, 0.4321.



This preview shows how white text looks on a background with the Yxy color 27.5078, 0.4428, 0.4321.

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

27.5078, 0.4428, 0.4321

Protanopia

27.6544, 0.4104, 0.4519

Deuteranopia

27.3891, 0.4417, 0.4327



Tritanopia

27.5588, 0.3702, 0.3164

Trichromacy



Original Color

27.5078, 0.4428, 0.4321

Protanomaly

27.4830, 0.4221, 0.4450

Deuteranomaly

27.3891, 0.4417, 0.4327

Tritanomaly

27.4040, 0.4003, 0.3607

Monochromacy



Original Color

27.5078, 0.4428, 0.4321

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4830, 0.3596, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5078, 0.4428, 0.4321 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(179, 136, 59)` looks like.

```
.text, #text, p{  
    color:rgb(179, 136, 59)  
}
```

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(179, 136, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 136, 59) }
```

Border

The CSS property to change the border of an element to Yxy 27.5078, 0.4428, 0.4321 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(179, 136, 59) }
```

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

```
.border{ border-color:rgb(179, 136, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 136, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 136, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 136, 59);  
box-shadow:4px 4px 4px 4px rgb(179, 136,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5078, 0.4428, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 136, 59) }
```

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

```
.background{ background-color: rgb(179,  
136, 59) }
```

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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