

Converting Colors

$Y_{xy}(24.9227, 0.4647, 0.4378)$

Have a look what the booklet for
Yxy(24.9227, 0.4647, 0.4378)
contains.

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Color

Yxy(24.8038, 0.4651, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	B27F29
RGB	178, 127, 41
RGB Percent	70%, 50%, 16%
CMY	0.3020, 0.5019, 0.8390
CMYK	0.00, 0.29, 0.77, 0.30
HSL	38°, 63%, 43%
HSV	38°, 77%, 70%
XYZ	26.3505, 24.8038, 5.5013
YIQ	132.4450, 58.0020, -15.9340

Conversions

Conversions Part 2

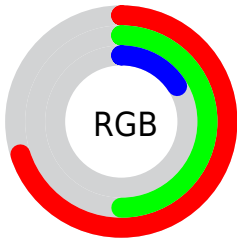
Format	Color
R_{YB}	122, 178, 41
Decimal	11697961
CIE _{Lab}	56.88, 11.87, 51.72
CIE _{LCh}	57, 53.069, 77.072
Yxy	24.8038, 0.4651, 0.4378
Android (android.graphics.Color)	4289888041 (0xFFB27F29)
YUV	132.4450, -45.0824, 39.9517
Hunter-Lab	49.8034, 7.2866, 28.3133

Details

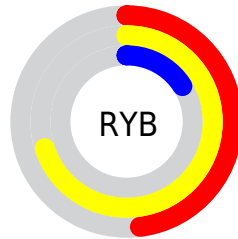
The Yxy color **24.8038, 0.4651, 0.4378** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.3499, 0.1886, 0.1675**, and the grayscale version is **23.3968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4197, 0.4364, 0.4220**, and **9.5137, 0.4958, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **23.0512, 0.4836, 0.4410**, and if you desaturate by 10%, it is **26.7278, 0.4443, 0.4299**.

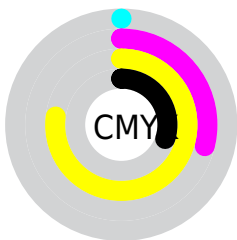
Distribution



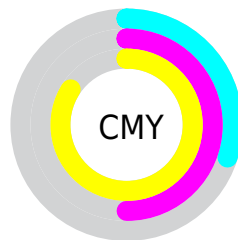
- Red (70%)
- Green (50%)
- Blue (16%)



- Red (48%)
- Yellow (70%)
- Blue (16%)



- Cyan (0%)
- Magenta (29%)
- Yellow (77%)
- Black (30%)





- Cyan (30%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8038, 0.4651, 0.4378 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 24.8038, 0.4651, 0.4378 by changing the saturation by 10% instead.


 24.8038, 0.4651,
0.4378


 24.8038, 0.4651,
0.4378


 276.8594, 0.3858,
0.3860


 15.9309, 0.4833,
0.4471


 51.3388, 0.4368,
0.4210


 9.4753, 0.5044,
0.4557


 69.7696, 0.4259,
0.4139


 5.0525, 0.5339,
0.4661

 92.1553, 0.4166,
0.4077

 2.2781, 0.5475,
0.4525

 118.8802, 0.4086,
0.4022

 0.7621, 0.5738,
0.4262

 150.3286, 0.4017,
0.3974

 0.0000, 0.0000,
0.0000

 186.8851, 0.3957,

0.3932

228.9339, 0.3905,
0.3894

■ 24.8038, 0.4651,
0.4378

■ 24.8038, 0.4651,
0.4378

■ 23.0512, 0.4836,
0.4410

■ 26.7278, 0.4443,
0.4299

■ 21.4544, 0.4991,
0.4392

■ 28.8282, 0.4223,
0.4183

■ 20.9907, 0.5037,
0.4383

■ 31.1141, 0.4002,
0.4040

■ 33.5926, 0.3788,
0.3882

■ 36.2702, 0.3587,
0.3718

■ 39.1531, 0.3401,
0.3554

■ 42.2471, 0.3233,
0.3395

■ 45.5577, 0.3083,
0.3245

■ 49.0902, 0.2948,
0.3104

Harmonies

Analogous

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



24.8038, 0.4923, 0.3736



24.8038, 0.4651, 0.4378



24.8038, 0.3986, 0.4886

Triad

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



24.8038, 0.4651, 0.4378



24.8038, 0.1804, 0.3219



24.8038, 0.2886, 0.2140

Complementary

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



24.8038, 0.4651, 0.4378



11.3499, 0.1886, 0.1675

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.



24.8038, 0.2150, 0.1957



24.8038, 0.4651, 0.4378



24.8038, 0.1606, 0.2438

Square

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



24.8038, 0.4651, 0.4378



24.8038, 0.2345, 0.4233



24.8038, 0.1725, 0.2037



24.8038, 0.3822, 0.2545

Rectangle

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



24.8038, 0.4651, 0.4378



24.8038, 0.3433, 0.4985



24.8038, 0.1725, 0.2037



24.8038, 0.2609, 0.2052

Sweetspot

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



24.8050, 0.4651, 0.4378



67.5805, 0.3519, 0.3660



11.8546, 0.4736, 0.2654



14.5673, 0.3587, 0.3719



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.



24.8050, 0.4651, 0.4378



39.8455, 0.4942, 0.4403



39.6850, 0.3951, 0.5022



9.3641, 0.3272, 0.3433



15.1427, 0.5025, 0.4392



0.5838, 0.4738, 0.4620

Inverse Universe

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



11.3499, 0.1886, 0.1675



14.7103, 0.1713, 0.1312



5.6747, 0.1787, 0.0964



8.7314, 0.2985, 0.3143



5.2237, 0.1669, 0.1209



0.2785, 0.1833, 0.1797

Previews

White Background



This preview shows how the Yxy color 24.8038, 0.4651, 0.4378 looks on a white background.

Color Contrast Check

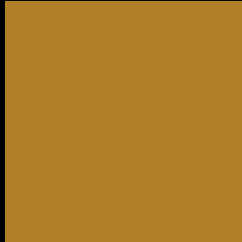
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8038, 0.4651, 0.4378 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 24.8038, 0.4651, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 24.8038, 0.4651, 0.4378.



This preview shows how white text looks on a background with the Yxy color 24.8038, 0.4651, 0.4378.

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

24.8038, 0.4651, 0.4378

Protanopia

24.8455, 0.4223, 0.4655

Deuteranopia

24.8891, 0.4553, 0.4465



Tritanopia

24.8194, 0.3826, 0.3163

Trichromacy



Original Color

24.8038, 0.4651, 0.4378

Protanomaly

24.6309, 0.4382, 0.4549

Deuteranomaly

24.8524, 0.4588, 0.4439

Tritanomaly

24.5874, 0.4195, 0.3667

Monochromacy



Original Color

24.8038, 0.4651, 0.4378

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2557, 0.3711, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8038, 0.4651, 0.4378 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(178, 127, 41)` looks like.

```
.text, #text, p{  
    color:rgb(178, 127, 41)  
}
```

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(178, 127, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 127, 41) }
```

Border

The CSS property to change the border of an element to Yxy 24.8038, 0.4651, 0.4378 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(178, 127, 41) }
```

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

```
.border{ border-color:rgb(178, 127, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 127, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 127, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 127, 41);  
box-shadow:4px 4px 4px 4px rgb(178, 127,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8038, 0.4651, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 127, 41) }
```

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

```
.background{ background-color: rgb(178,  
127, 41) }
```

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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