

Converting Colors

$Y_{xy}(28.7702, 0.4286, 0.4776)$

Have a look what the booklet for
Yxy(28.7702, 0.4286, 0.4776)
contains.

| | |
|---|----|
| Yxy(28.7638, 0.4287, 0.4778) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

$Y_{xy}(28.7638, 0.4287, 0.4778)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | A39321 |
| RGB | 163, 147, 33 |
| RGB Percent | 64%, 58%, 13% |
| CMY | 0.3609, 0.4235, 0.8707 |
| CMYK | 0.00, 0.10, 0.80, 0.36 |
| HSL | 53°, 66%, 38% |
| HSV | 53°, 80%, 64% |
| XYZ | 25.8080, 28.7638, 5.6287 |
| YIQ | 138.7880, 46.1300, -32.0620 |

Conversions

Conversions Part 2

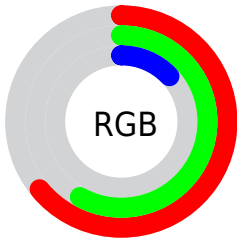
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 51, 163, 33 |
| Decimal | 10720033 |
| CIE Lab | 60.57, -6.28, 57.52 |
| CIE LCh | 61, 57.859, 96.232 |
| Yxy | 28.7638, 0.4287, 0.4778 |
| Android (android.graphics.Color) | 4288910113 (0xFFA39321) |
| YUV | 138.7880, -52.1535, 21.2339 |
| Hunter-Lab | 53.6319, -7.9607, 31.3198 |

Details

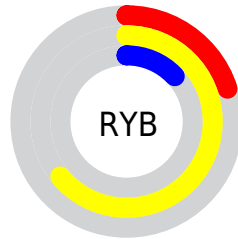
The Yxy color **28.7638, 0.4287, 0.4778** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1576, 0.1711, 0.1059**, and the grayscale version is **25.9228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8500, 0.4101, 0.4521**, and **11.6752, 0.4358, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **28.0781, 0.4366, 0.4841**, and if you desaturate by 10%, it is **29.5073, 0.4181, 0.4672**.

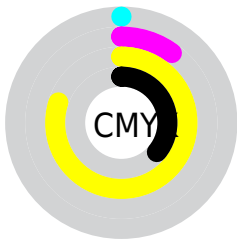
Distribution



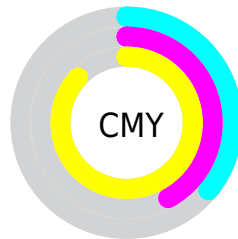
- Red (64%)
- Green (58%)
- Blue (13%)



- Red (20%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (10%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (42%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7638, 0.4287, 0.4778 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 28.7638, 0.4287, 0.4778 by changing the saturation by 10% instead.

 28.7638, 0.4287,
0.4778


 28.7638, 0.4287,
0.4778

 296.0989, 0.3729,
0.4028


 18.9022, 0.4393,
0.4939


 57.7016, 0.4103,
0.4518


 11.5996, 0.4498,
0.5118


 77.5466, 0.4027,
0.4415


 6.4717, 0.4635,
0.5365


 101.4882, 0.3960,
0.4327

 3.1340, 0.4569,
0.5431

 129.9108, 0.3902,
0.4250

 1.2021, 0.4452,
0.5548

 163.1987, 0.3850,
0.4184

 0.0634, 0.0000,
1.0000

 201.7365, 0.3805,

 0.0000, 0.0000,

0.4125

0.0000

245.9084, 0.3765,
0.4074

■ 28.7638, 0.4287,
0.4778

■ 28.7638, 0.4287,
0.4778

■ 28.0781, 0.4366,
0.4841

■ 29.5073, 0.4181,
0.4672

■ 27.4333, 0.4423,
0.4868

■ 30.3101, 0.4053,
0.4527

■ 27.4183, 0.4425,
0.4869

■ 31.1785, 0.3907,
0.4349

■ 32.1168, 0.3750,
0.4149

■ 33.1288, 0.3589,
0.3934

■ 34.2181, 0.3428,
0.3714

■ 35.3881, 0.3272,
0.3496

■ 36.6417, 0.3124,
0.3285

■ 37.9819, 0.2985,
0.3085

Harmonies

Analogous

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



28.7638, 0.4860, 0.4166



28.7638, 0.4287, 0.4778



28.7638, 0.3460, 0.5054

Triad

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



28.7638, 0.4287, 0.4778



28.7638, 0.1594, 0.2649



28.7638, 0.3487, 0.2348

Complementary

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



28.7638, 0.4287, 0.4778



5.1576, 0.1711, 0.1059

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.



28.7638, 0.2567, 0.2009



28.7638, 0.4287, 0.4778



28.7638, 0.1604, 0.2102

Square

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



28.7638, 0.4287, 0.4778



28.7638, 0.1920, 0.3588



28.7638, 0.1924, 0.1913



28.7638, 0.4423, 0.2874

Rectangle

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



28.7638, 0.4287, 0.4778



28.7638, 0.2871, 0.4846



28.7638, 0.1924, 0.1913



28.7638, 0.3160, 0.2211

Sweetspot

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



28.7652, 0.4287, 0.4778



60.3744, 0.3503, 0.3817



9.1031, 0.5541, 0.3109



13.4122, 0.3558, 0.3892



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.7652, 0.4287, 0.4778



49.3808, 0.4410, 0.4860



29.9597, 0.3619, 0.5295



8.0882, 0.3264, 0.3486



21.3619, 0.4422, 0.4871



0.4877, 0.4329, 0.4945

Inverse Universe

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



5.1576, 0.1711, 0.1059



5.9009, 0.1544, 0.0729



5.4635, 0.2057, 0.1069



6.9936, 0.2987, 0.3087



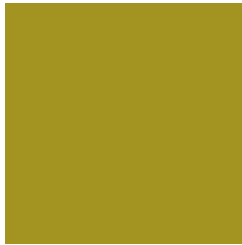
2.4827, 0.1531, 0.0710



0.0907, 0.1649, 0.1136

Previews

White Background



This preview shows how the Yxy color 28.7638, 0.4287, 0.4778 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 28.7638, 0.4287, 0.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

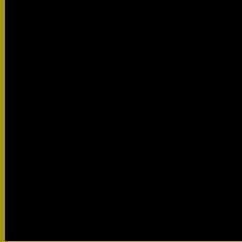
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7638, 0.4287, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 28.7638, 0.4287, 0.4778.



This preview shows how white text looks on a background with the Yxy color 28.7638, 0.4287, 0.4778.

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

28.7638, 0.4287, 0.4778

Protanopia

28.8698, 0.4299, 0.4770

Deuteranopia

28.7892, 0.4592, 0.4506



Tritanopia

28.6874, 0.3390, 0.3129

Trichromacy



Original Color

28.7638, 0.4287, 0.4778

Protanomaly

28.8698, 0.4299, 0.4770

Deuteranomaly

28.7035, 0.4475, 0.4604

Tritanomaly

28.4152, 0.3804, 0.3823

Monochromacy



Original Color

28.7638, 0.4287, 0.4778

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5620, 0.3628, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7638, 0.4287, 0.4778 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(163, 147, 33)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 33)  
}
```

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(163, 147, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 33) }
```

Border

The CSS property to change the border of an element to Yxy 28.7638, 0.4287, 0.4778 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(163, 147, 33) }
```

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

```
.border{ border-color:rgb(163, 147, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 33);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7638, 0.4287, 0.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 33) }
```

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

```
.background{ background-color: rgb(163,  
147, 33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor