

Converting Colors

$Y_{xy}(27.1569, 0.4733, 0.4202)$

Have a look what the booklet for
Yxy(27.1569, 0.4733, 0.4202)
contains.

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Color

Yxy(27.1556, 0.4733, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	C28034
RGB	194, 128, 52
RGB Percent	76%, 50%, 20%
CMY	0.2392, 0.4980, 0.7959
CMYK	0.00, 0.34, 0.73, 0.24
HSL	32°, 58%, 48%
HSV	32°, 73%, 76%
XYZ	30.5872, 27.1556, 6.8826
YIQ	139.0700, 63.7320, -9.6440

Conversions

Conversions Part 2

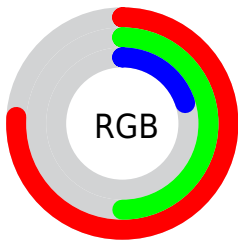
Format	Color
RYB	175, 194, 52
Decimal	12746804
CIELab	59.12, 18.85, 49.84
CIELCh	59, 53.291, 69.280
Yxy	27.1556, 0.4733, 0.4202
Android (android.graphics.Color)	4290936884 (0xFFC28034)
YUV	139.0700, -42.9255, 48.1736
Hunter-Lab	52.1110, 13.5784, 28.6470

Details

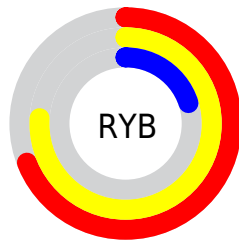
The Yxy color **27.1556, 0.4733, 0.4202** is a dark color, and the websafe version is hex **996600**. The color can be described as dark muted orange. A complement of this color would be **17.5899, 0.1988, 0.1982**, and the grayscale version is **25.9995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0979, 0.4425, 0.4074**, and **10.8262, 0.5142, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **24.7673, 0.4973, 0.4231**, and if you desaturate by 10%, it is **29.8276, 0.4476, 0.4128**.

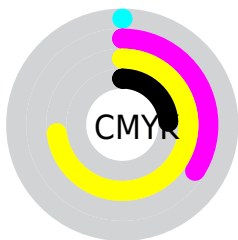
Distribution



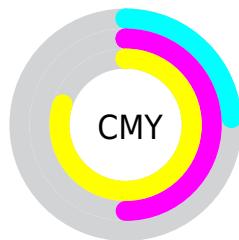
- Red (76%)
- Green (50%)
- Blue (20%)



- Red (69%)
- Yellow (76%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (73%)
- Black (24%)





- Cyan (24%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1556, 0.4733, 0.4202 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 27.1556, 0.4733, 0.4202 by changing the saturation by 10% instead.

 27.1556, 0.4733,
0.4202

 27.1556, 0.4733,
0.4202


288.4097, 0.3895,
0.3789

 17.6901, 0.4932,
0.4269

 55.1335, 0.4431,
0.4073

 10.7277, 0.5169,
0.4325


 74.4146, 0.4315,
0.4018


 5.8841, 0.5554,
0.4427

 97.7365, 0.4218,
0.3968

 2.7747, 0.5748,
0.4252

 125.4834, 0.4134,
0.3924

 1.0153, 0.6061,
0.3939

 158.0398, 0.4062,
0.3884

 0.0000, 1.0000,
0.0000

 195.7900, 0.3999,

 0.0000, 0.0000,

0.3849

0.0000

239.1185, 0.3944,
0.3817

■ 27.1556, 0.4733,
0.4202

■ 27.1556, 0.4733,
0.4202

■ 24.7673, 0.4973,
0.4231

■ 29.8276, 0.4476,
0.4128

■ 22.6438, 0.5182,
0.4207

■ 32.7921, 0.4218,
0.4019

■ 21.3322, 0.5309,
0.4167

■ 36.0626, 0.3970,
0.3890

■ 39.6498, 0.3739,
0.3749

■ 43.5642, 0.3529,
0.3606

■ 47.8152, 0.3342,
0.3465

■ 52.4123, 0.3176,
0.3331

■ 57.3640, 0.3030,
0.3205

■ 62.6788, 0.2902,
0.3088

Harmonies

Analogous

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



27.1556, 0.4860, 0.3568



27.1556, 0.4733, 0.4202



27.1556, 0.4165, 0.4751

Triad

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



27.1556, 0.4733, 0.4202



27.1556, 0.1940, 0.3474



27.1556, 0.2680, 0.2094

Complementary

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



27.1556, 0.4733, 0.4202



17.5899, 0.1988, 0.1982

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.



27.1556, 0.2034, 0.1978



27.1556, 0.4733, 0.4202



27.1556, 0.1657, 0.2623

Square

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



27.1556, 0.4733, 0.4202



27.1556, 0.2553, 0.4435



27.1556, 0.1694, 0.2134



27.1556, 0.3564, 0.2441

Rectangle

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



27.1556, 0.4733, 0.4202



27.1556, 0.3648, 0.4936



27.1556, 0.1694, 0.2134



27.1556, 0.2431, 0.2028

Sweetspot

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



27.1570, 0.4733, 0.4202



79.5438, 0.3513, 0.3594



15.2431, 0.4404, 0.2508



16.9731, 0.3568, 0.3634



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.1570, 0.4733, 0.4202



42.4261, 0.5108, 0.4222



49.6829, 0.4043, 0.4903



10.9504, 0.3276, 0.3413



14.1915, 0.5290, 0.4182



0.7500, 0.4982, 0.4426

Inverse Universe

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



17.5899, 0.1988, 0.1982



24.2678, 0.1817, 0.1655



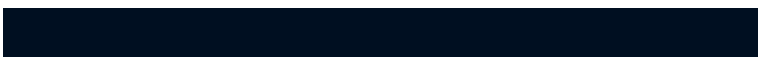
7.2175, 0.1765, 0.1008



10.5025, 0.2984, 0.3164



7.5498, 0.1745, 0.1481



0.4640, 0.1863, 0.1907

Previews

White Background



This preview shows how the Yxy color 27.1556, 0.4733, 0.4202 looks on a white background.

Color Contrast Check

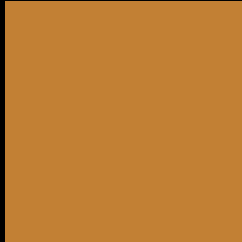
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1556, 0.4733, 0.4202 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 27.1556, 0.4733, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 27.1556, 0.4733, 0.4202.



This preview shows how white text looks on a background with the Yxy color 27.1556, 0.4733, 0.4202.

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

27.1556, 0.4733, 0.4202

Protanopia

27.3014, 0.4150, 0.4563

Deuteranopia

27.3036, 0.4484, 0.4413



Tritanopia

27.1600, 0.3999, 0.3173

Trichromacy



Original Color

27.1556, 0.4733, 0.4202

Protanomaly

27.2234, 0.4358, 0.4429

Deuteranomaly

27.2044, 0.4577, 0.4330

Tritanomaly

26.9758, 0.4314, 0.3585

Monochromacy



Original Color

27.1556, 0.4733, 0.4202

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.7604, 0.3717, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1556, 0.4733, 0.4202 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(194, 128, 52)` looks like.

```
.text, #text, p{  
    color:rgb(194, 128, 52)  
}
```

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(194, 128, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 128, 52) }
```

Border

The CSS property to change the border of an element to Yxy 27.1556, 0.4733, 0.4202 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(194, 128, 52) }
```

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

```
.border{ border-color:rgb(194, 128, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 128, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 128, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 128, 52);  
box-shadow:4px 4px 4px 4px rgb(194, 128,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1556, 0.4733, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 128, 52) }
```

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

```
.background{ background-color: rgb(194,  
128, 52) }
```

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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