

Converting Colors

$Y_{xy}(27.2559, 0.4290, 0.4100)$

Have a look what the booklet for
Yxy(27.2559, 0.4290, 0.4100)
contains.

Yxy(27.1697, 0.4286, 0.4092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1697, 0.4286, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	B3864D
RGB	179, 134, 77
RGB Percent	70%, 53%, 30%
CMY	0.2980, 0.4745, 0.6979
CMYK	0.00, 0.25, 0.57, 0.30
HSL	34°, 40%, 50%
HSV	34°, 57%, 70%
XYZ	28.4578, 27.1697, 10.7696
YIQ	140.9570, 45.1170, -8.1870

Conversions

Conversions Part 2

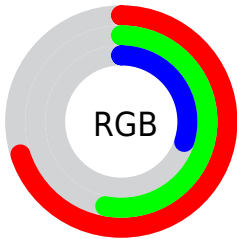
Format	Color
R_{YB}	158, 179, 77
Decimal	11765325
CIE _{Lab}	59.13, 10.66, 37.04
CIE _{LCh}	59, 38.545, 73.952
Yxy	27.1697, 0.4286, 0.4092
Android (android.graphics.Color)	4289955405 (0xFFB3864D)
YUV	140.9570, -31.5308, 33.3637
Hunter-Lab	52.1246, 6.2355, 24.2371

Details

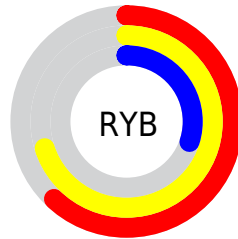
The Yxy color **27.1697, 0.4286, 0.4092** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.7622, 0.2209, 0.2281**, and the grayscale version is **26.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0775, 0.4057, 0.3953**, and **10.6453, 0.4649, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **24.8488, 0.4534, 0.4194**, and if you desaturate by 10%, it is **29.7260, 0.4042, 0.3964**.

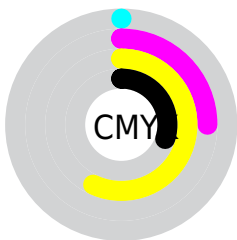
Distribution



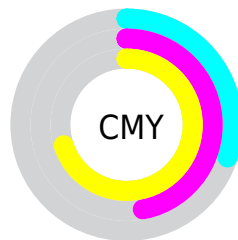
- Red (70%)
- Green (53%)
- Blue (30%)



- Red (62%)
- Yellow (70%)
- Blue (30%)



- Cyan (0%)
- Magenta (25%)
- Yellow (57%)
- Black (30%)





- Cyan (30%)
- Magenta (47%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1697, 0.4286, 0.4092 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 27.1697, 0.4286, 0.4092 by changing the saturation by 10% instead.


 27.1697, 0.4286,
0.4092


 27.1697, 0.4286,
0.4092


288.4778, 0.3666,
0.3689


 17.7007, 0.4446,
0.4183

 55.1561, 0.4055,
0.3950

 10.7353, 0.4650,
0.4289


 74.4422, 0.3969,
0.3895

 5.8892, 0.4909,
0.4402

 97.7696, 0.3898,
0.3848

 2.7778, 0.5382,
0.4618

 125.5225, 0.3837,
0.3807

 1.0169, 0.5574,
0.4426

 158.0854, 0.3785,
0.3772

 0.0000, 1.0000,
0.0000

195.8426, 0.3740,

 0.0000, 0.0000,

0.3741

0.0000

239.1787, 0.3701,
0.3714

■ 27.1697, 0.4286,
0.4092

■ 27.1697, 0.4286,
0.4092

■ 24.8488, 0.4534,
0.4194

■ 29.7260, 0.4042,
0.3964

■ 22.7500, 0.4774,
0.4259

■ 32.5224, 0.3812,
0.3822

■ 20.8641, 0.4992,
0.4276

■ 35.5683, 0.3599,
0.3674

■ 19.1775, 0.5178,
0.4242

■ 38.8711, 0.3407,
0.3527

■ 18.7001, 0.5233,
0.4227

■ 42.4381, 0.3235,
0.3385

■ 46.2761, 0.3083,
0.3250

■ 50.3915, 0.2949,
0.3125

■ 54.7907, 0.2832,
0.3009

■ 59.4797, 0.2728,
0.2903

Harmonies

Analogous

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



27.1697, 0.4407, 0.3623



27.1697, 0.4286, 0.4092



27.1697, 0.3849, 0.4420

Triad

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



27.1697, 0.4286, 0.4092



27.1697, 0.2194, 0.3335



27.1697, 0.2902, 0.2407

Complementary

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



27.1697, 0.4286, 0.4092



18.7622, 0.2209, 0.2281

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.



27.1697, 0.2370, 0.2291



27.1697, 0.4286, 0.4092



27.1697, 0.1996, 0.2748

Square

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



27.1697, 0.4286, 0.4092



27.1697, 0.2639, 0.3997



27.1697, 0.2059, 0.2395



27.1697, 0.3559, 0.2706

Rectangle

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



27.1697, 0.4286, 0.4092



27.1697, 0.3454, 0.4467



27.1697, 0.2059, 0.2395



27.1697, 0.2704, 0.2346

Sweetspot

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



27.1710, 0.4286, 0.4092



69.4139, 0.3413, 0.3531



16.3242, 0.4023, 0.2646



15.1121, 0.3449, 0.3560



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.



27.1710, 0.4286, 0.4092



43.6459, 0.4587, 0.4212



41.7699, 0.3881, 0.4645



9.2663, 0.3274, 0.3417



13.3438, 0.5217, 0.4239



0.5338, 0.4861, 0.4523

Inverse Universe

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



18.7622, 0.2209, 0.2281



27.2114, 0.2031, 0.2019



10.3656, 0.2084, 0.1512



8.8269, 0.2985, 0.3159



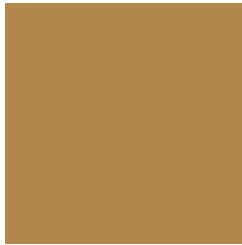
6.3773, 0.1726, 0.1413



0.3176, 0.1880, 0.1967

Previews

White Background



This preview shows how the Yxy color 27.1697, 0.4286, 0.4092 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 27.1697, 0.4286, 0.4092 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 27.1697, 0.4286, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 27.1697, 0.4286, 0.4092.



This preview shows how white text looks on a background with the Yxy color 27.1697, 0.4286, 0.4092.

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

27.1697, 0.4286, 0.4092

Protanopia

27.3922, 0.3926, 0.4272

Deuteranopia

27.2581, 0.4222, 0.4136



Tritanopia

27.1752, 0.3694, 0.3150

Trichromacy



Original Color

27.1697, 0.4286, 0.4092

Protanomaly

27.3200, 0.4053, 0.4209

Deuteranomaly

27.0939, 0.4243, 0.4119

Tritanomaly

27.1482, 0.3925, 0.3509

Monochromacy



Original Color

27.1697, 0.4286, 0.4092

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.4535, 0.3534, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1697, 0.4286, 0.4092 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, 134, 77)` looks like.

```
.text, #text, p{  
    color:rgb(179, 134, 77)  
}
```

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, 134, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 134, 77) }
```

Border

The CSS property to change the border of an element to Yxy 27.1697, 0.4286, 0.4092 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, 134, 77) }
```

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

```
.border{ border-color:rgb(179, 134, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 134, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 134, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 134, 77);  
box-shadow:4px 4px 4px 4px rgb(179, 134,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1697, 0.4286, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 134, 77) }
```

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

```
.background{ background-color: rgb(179,  
134, 77) }
```

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