

Converting Colors

$Y_{xy}(27.7889, 0.4690, 0.4475)$

Have a look what the booklet for
Yxy(27.7889, 0.4690, 0.4475)
contains.

Yxy(27.8713, 0.4686, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8713, 0.4686, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	BA8720
RGB	186, 135, 32
RGB Percent	73%, 53%, 13%
CMY	0.2706, 0.4705, 0.8744
CMYK	0.00, 0.27, 0.83, 0.27
HSL	40°, 71%, 43%
HSV	40°, 83%, 73%
XYZ	29.1724, 27.8713, 5.2107
YIQ	138.5070, 63.4590, -21.2210

Conversions

Conversions Part 2

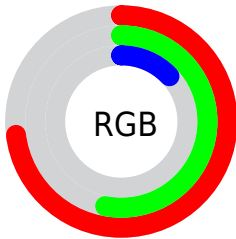
Format	Color
RYB	108, 186, 32
Decimal	12224288
CIELab	59.77, 10.67, 58.03
CIElCh	60, 59.002, 79.583
Yxy	27.8713, 0.4686, 0.4477
Android (android.graphics.Color)	4290414368 (0xFFBA8720)
YUV	138.5070, -52.5080, 41.6514
Hunter-Lab	52.7933, 6.2470, 31.1034

Details

The Yxy color **27.8713, 0.4686, 0.4477** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.0402, 0.1785, 0.1428**, and the grayscale version is **25.8084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2312, 0.4418, 0.4308**, and **11.2448, 0.4892, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **26.1291, 0.4834, 0.4487**, and if you desaturate by 10%, it is **29.7727, 0.4509, 0.4418**.

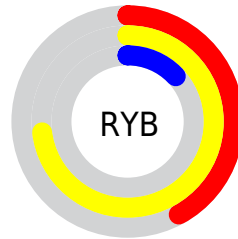
Distribution



Red (73%)

Green (53%)

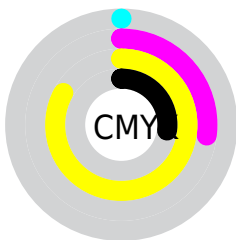
Blue (13%)



Red (42%)

Yellow (73%)

Blue (13%)

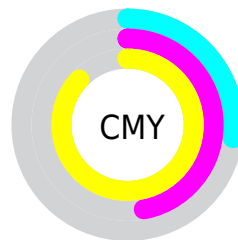


Cyan (0%)

Magenta (27%)

Yellow (83%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8713, 0.4686, 0.4477 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 27.8713, 0.4686, 0.4477 by changing the saturation by 10% instead.


 27.8713, 0.4686,
0.4477


 27.8713, 0.4686,
0.4477


291.8514, 0.3905,
0.3930


 18.2287, 0.4852,
0.4569


 56.2789, 0.4417,
0.4305

 11.1143, 0.5038,
0.4653


 75.8127, 0.4310,
0.4230

 6.1438, 0.5268,
0.4732

 99.4122, 0.4218,
0.4164

 2.9327, 0.5374,
0.4626

 127.4621, 0.4138,
0.4106

 1.0967, 0.5558,
0.4442

 160.3465, 0.4068,
0.4054

 0.0000, 1.0000,
0.0000

 198.4499, 0.4007,

 0.0000, 0.0000,

0.4008

0.0000

242.1568, 0.3953,
0.3967

■ 27.8713, 0.4686,
0.4477

■ 27.8713, 0.4686,
0.4477

■ 26.1291, 0.4834,
0.4487

■ 29.7727, 0.4509,
0.4418

■ 24.9541, 0.4927,
0.4470

■ 31.8392, 0.4311,
0.4315

■ 34.0808, 0.4104,
0.4179

■ 36.5051, 0.3896,
0.4020

■ 39.1192, 0.3694,
0.3848

■ 41.9295, 0.3504,
0.3673

■ 44.9420, 0.3328,
0.3501

■ 48.1624, 0.3169,
0.3335

■ 51.5962, 0.3025,
0.3178

Harmonies

Analogous

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



27.8713, 0.5033, 0.3798



27.8713, 0.4686, 0.4477



27.8713, 0.3951, 0.5014

Triad

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



27.8713, 0.4686, 0.4477



27.8713, 0.1694, 0.3120



27.8713, 0.2944, 0.2104

Complementary

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



27.8713, 0.4686, 0.4477



10.0402, 0.1785, 0.1428

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.



27.8713, 0.2144, 0.1891



27.8713, 0.4686, 0.4477



27.8713, 0.1522, 0.2327

Square

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



27.8713, 0.4686, 0.4477



27.8713, 0.2228, 0.4216



27.8713, 0.1674, 0.1946



27.8713, 0.3950, 0.2544

Rectangle

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



27.8713, 0.4686, 0.4477



27.8713, 0.3360, 0.5101



27.8713, 0.1674, 0.1946



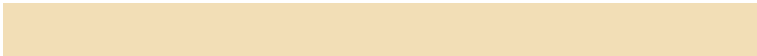
27.8713, 0.2644, 0.2006

Sweetspot

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



27.8727, 0.4686, 0.4477



74.6331, 0.3553, 0.3719



12.1022, 0.5094, 0.2760



16.0376, 0.3620, 0.3781



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.8727, 0.4686, 0.4477



45.0641, 0.4930, 0.4462



42.7241, 0.3901, 0.5147



9.9886, 0.3272, 0.3442



16.9328, 0.4915, 0.4480



0.7053, 0.4686, 0.4661

Inverse Universe

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



10.0402, 0.1785, 0.1428



12.4509, 0.1630, 0.1063



5.4697, 0.1749, 0.0861



9.1923, 0.2985, 0.3133



4.7971, 0.1638, 0.1096



0.2857, 0.1790, 0.1645

Previews

White Background



This preview shows how the Yxy color 27.8713, 0.4686, 0.4477 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 27.8713, 0.4686, 0.4477 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 27.8713, 0.4686, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 27.8713, 0.4686, 0.4477.



This preview shows how white text looks on a background with the Yxy color 27.8713, 0.4686, 0.4477.

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

27.8713, 0.4686, 0.4477

Protanopia

28.0535, 0.4289, 0.4751

Deuteranopia

27.9353, 0.4624, 0.4534



Tritanopia

27.8774, 0.3816, 0.3169

Trichromacy



Original Color

27.8713, 0.4686, 0.4477

Protanomaly

27.8232, 0.4441, 0.4644

Deuteranomaly

27.7745, 0.4647, 0.4516

Tritanomaly

27.5295, 0.4226, 0.3718

Monochromacy



Original Color

27.8713, 0.4686, 0.4477

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.1650, 0.3743, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8713, 0.4686, 0.4477 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(186, 135, 32)` looks like.

```
.text, #text, p{  
    color:rgb(186, 135, 32)  
}
```

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(186, 135, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 135, 32) }
```

Border

The CSS property to change the border of an element to Yxy 27.8713, 0.4686, 0.4477 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(186, 135, 32) }
```

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

```
.border{ border-color:rgb(186, 135, 32) }
```

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

Here you see how a box with a 4 pixel rgb(186, 135, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 135, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 135, 32);  
box-shadow:4px 4px 4px 4px rgb(186, 135,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8713, 0.4686, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 135, 32) }
```

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

```
.background{ background-color: rgb(186,  
135, 32) }
```

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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