

Converting Colors

$Y_{xy}(24.8313, 0.4598, 0.4294)$

Have a look what the booklet for
Yxy(24.8313, 0.4598, 0.4294)
contains.

Yxy(24.9927, 0.4599, 0.4296)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9927, 0.4599, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	B37F32
RGB	179, 127, 50
RGB Percent	70%, 50%, 20%
CMY	0.2980, 0.5019, 0.8040
CMYK	0.00, 0.29, 0.72, 0.30
HSL	36°, 56%, 45%
HSV	36°, 72%, 70%
XYZ	26.7555, 24.9927, 6.4285
YIQ	133.7700, 55.7090, -12.9230

Conversions

Conversions Part 2

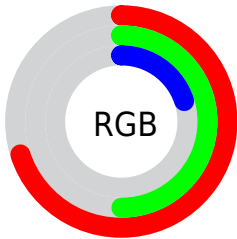
Format	Color
R_{YB}	137, 179, 50
Decimal	11763506
CIE _{Lab}	57.07, 12.74, 48.10
CIE _{LCh}	57, 49.760, 75.167
Yxy	24.9927, 0.4599, 0.4296
Android (android.graphics.Color)	4289953586 (0xFFB37F32)
YUV	133.7700, -41.2986, 39.6667
Hunter-Lab	49.9927, 8.0437, 27.3708

Details

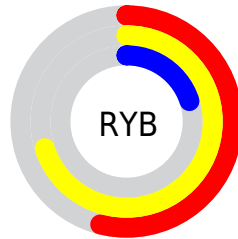
The Yxy color **24.9927, 0.4599, 0.4296** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.4297, 0.1969, 0.1862**, and the grayscale version is **23.8903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7592, 0.4309, 0.4136**, and **9.5864, 0.4972, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **23.0713, 0.4811, 0.4345**, and if you desaturate by 10%, it is **27.1104, 0.4370, 0.4204**.

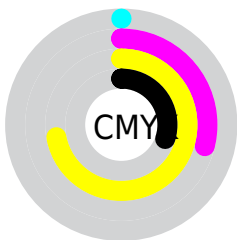
Distribution



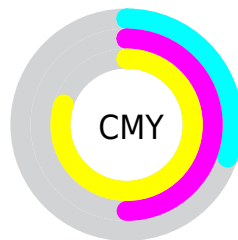
- Red (70%)
- Green (50%)
- Blue (20%)



- Red (54%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (29%)
- Yellow (72%)
- Black (30%)




- Cyan (30%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9927, 0.4599, 0.4296 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 24.9927, 0.4599, 0.4296 by changing the saturation by 10% instead.


 24.9927, 0.4599,
0.4296

 24.9927, 0.4599,
0.4296


277.8016, 0.3824,
0.3812


 16.0716, 0.4784,
0.4387


 51.6454, 0.4318,
0.4136


 9.5748, 0.5005,
0.4475


 70.1458, 0.4211,
0.4070


 5.1180, 0.5370,
0.4630

 92.6080, 0.4121,
0.4012

 2.3167, 0.5513,
0.4487

 119.4166, 0.4043,
0.3962

 0.7825, 0.5783,
0.4217

 150.9558, 0.3977,
0.3917

 0.0000, 1.0000,
0.0000

 187.6102, 0.3919,

 0.0000, 0.0000,

0.3878

0.0000

229.7639, 0.3869,
0.3843

■ 24.9927, 0.4599,
0.4296

■ 24.9927, 0.4599,
0.4296

■ 23.0713, 0.4811,
0.4345

■ 27.1104, 0.4370,
0.4204

■ 21.3322, 0.4995,
0.4344

■ 29.4297, 0.4138,
0.4079

■ 20.0711, 0.5123,
0.4314

■ 31.9599, 0.3910,
0.3934

■ 34.7085, 0.3696,
0.3779

■ 37.6824, 0.3498,
0.3622

■ 40.8884, 0.3319,
0.3467

■ 44.3325, 0.3158,
0.3320

■ 48.0208, 0.3016,
0.3181

■ 51.9588, 0.2889,
0.3052

Harmonies

Analogous

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



24.9927, 0.4813, 0.3689



24.9927, 0.4599, 0.4296



24.9927, 0.3996, 0.4772

Triad

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



24.9927, 0.4599, 0.4296



24.9927, 0.1903, 0.3288



24.9927, 0.2852, 0.2182

Complementary

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



24.9927, 0.4599, 0.4296



13.4297, 0.1969, 0.1862

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.



24.9927, 0.2172, 0.2023



24.9927, 0.4599, 0.4296



24.9927, 0.1688, 0.2531

Square

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



24.9927, 0.4599, 0.4296



24.9927, 0.2440, 0.4221



24.9927, 0.1782, 0.2122



24.9927, 0.3724, 0.2558

Rectangle

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



24.9927, 0.4599, 0.4296



24.9927, 0.3479, 0.4874



24.9927, 0.1782, 0.2122



24.9927, 0.2596, 0.2103

Sweetspot

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



24.9939, 0.4599, 0.4296



67.3260, 0.3504, 0.3626



12.8572, 0.4496, 0.2602



14.5927, 0.3555, 0.3668



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.



24.9939, 0.4599, 0.4296



39.6065, 0.4914, 0.4351



40.8233, 0.3969, 0.4926



9.3206, 0.3273, 0.3426



14.3129, 0.5109, 0.4325



0.5611, 0.4792, 0.4577

Inverse Universe

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



13.4297, 0.1969, 0.1862



17.9343, 0.1790, 0.1523



6.5174, 0.1833, 0.1068



8.7736, 0.2985, 0.3150



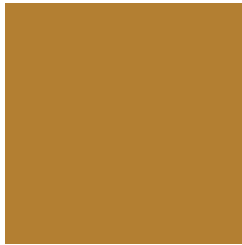
5.7082, 0.1694, 0.1297



0.2954, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 24.9927, 0.4599, 0.4296 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 24.9927, 0.4599, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

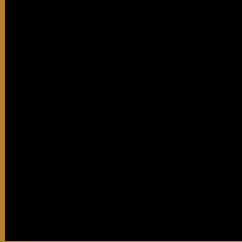
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9927, 0.4599, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 24.9927, 0.4599, 0.4296.



This preview shows how white text looks on a background with the Yxy color 24.9927, 0.4599, 0.4296.

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

24.9927, 0.4599, 0.4296

Protanopia

25.2063, 0.4150, 0.4574

Deuteranopia

24.8449, 0.4480, 0.4394



Tritanopia

24.9425, 0.3838, 0.3164

Trichromacy



Original Color

24.9927, 0.4599, 0.4296

Protanomaly

24.9795, 0.4307, 0.4474

Deuteranomaly

24.9209, 0.4526, 0.4362

Tritanomaly

24.7843, 0.4158, 0.3609

Monochromacy



Original Color

24.9927, 0.4599, 0.4296

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6959, 0.3672, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9927, 0.4599, 0.4296 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, 127, 50)` looks like.

```
.text, #text, p{  
    color:rgb(179, 127, 50)  
}
```

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, 127, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 127, 50) }
```

Border

The CSS property to change the border of an element to Yxy 24.9927, 0.4599, 0.4296 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, 127, 50) }
```

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

```
.border{ border-color:rgb(179, 127, 50) }
```

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

Here you see how a box with a 4 pixel rgb(179, 127, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 127, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 127, 50);  
box-shadow:4px 4px 4px 4px rgb(179, 127,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9927, 0.4599, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 127, 50) }
```

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

```
.background{ background-color: rgb(179,  
127, 50) }
```

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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