

Converting Colors

$Y_{xy}(24.1621, 0.4932, 0.4466)$

Have a look what the booklet for
Yxy(24.1621, 0.4932, 0.4466)
contains.

Yxy(24.1094, 0.4942, 0.4458)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1094, 0.4942, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	B87A00
RGB	184, 122, 0
RGB Percent	72%, 48%, 0%
CMY	0.2784, 0.5216, 1.0000
CMYK	0.00, 0.34, 1.00, 0.28
HSL	40°, 100%, 36%
HSV	40°, 100%, 72%
XYZ	26.7269, 24.1094, 3.2449
YIQ	126.6300, 76.1140, -24.7980

Conversions

Conversions Part 2

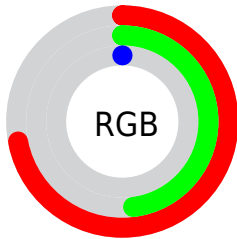
Format	Color
RYB	94, 184, 0
Decimal	12089856
CIELab	56.20, 16.38, 62.47
CIElCh	56, 64.582, 75.310
Yxy	24.1094, 0.4942, 0.4458
Android (android.graphics.Color)	4290279936 (0xFFB87A00)
YUV	126.6300, -62.4286, 50.3135
Hunter-Lab	49.1013, 11.2342, 30.4527

Details

The Yxy color **24.1094, 0.4942, 0.4458** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9063, 0.1636, 0.1089**, and the grayscale version is **21.2895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0898, 0.4637, 0.4317**, and **9.1251, 0.5124, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **24.1101, 0.4942, 0.4458**, and if you desaturate by 10%, it is **25.7272, 0.4808, 0.4478**.

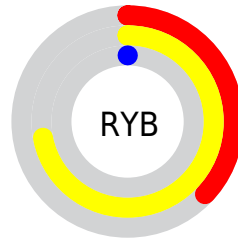
Distribution



Red (72%)

Green (48%)

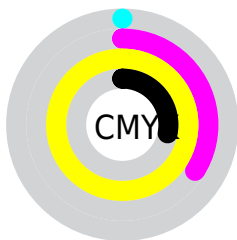
Blue (0%)



Red (37%)

Yellow (72%)

Blue (0%)

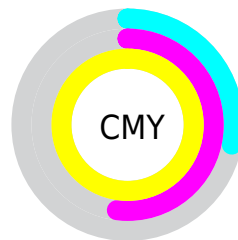


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1094, 0.4942, 0.4458 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 24.1094, 0.4942, 0.4458 by changing the saturation by 10% instead.


 24.1094, 0.4942,
0.4458


 24.1094, 0.4942,
0.4458


273.3731, 0.4029,
0.3954


 15.4148, 0.5127,
0.4515


 50.2087, 0.4632,
0.4317


 9.1110, 0.5399,
0.4601


 68.3821, 0.4506,
0.4249


 4.8137, 0.5518,
0.4482

 90.4840, 0.4398,
0.4187

 2.1384, 0.5705,
0.4295

 116.8986, 0.4304,
0.4131

 0.6861, 0.6093,
0.3907


 148.0105, 0.4221,
0.4079


 0.0000, 0.0000,
0.0000


 184.2039, 0.4149,

0.4033


 225.8633, 0.4085,
0.3992


 24.1094, 0.4942,
0.4458

 24.1094, 0.4942,
0.4458

 24.1101, 0.4942,
0.4458

 25.7272, 0.4808,
0.4478

 27.4850, 0.4649,
0.4455

 29.4015, 0.4462,
0.4384

 31.4861, 0.4259,
0.4272

 33.7470, 0.4049,
0.4129

■ 36.1915, 0.3840,
0.3967

■ 38.8263, 0.3641,
0.3795

■ 41.6578, 0.3454,
0.3622

■ 44.6917, 0.3282,
0.3452

Harmonies

Analogous

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



24.1094, 0.5289, 0.3698



24.1094, 0.4942, 0.4458



24.1094, 0.4141, 0.5159

Triad

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



24.1094, 0.4942, 0.4458



24.1094, 0.1576, 0.3240



24.1094, 0.2760, 0.1921

Complementary

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



24.1094, 0.4942, 0.4458



6.9063, 0.1636, 0.1089

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.



24.1094, 0.1925, 0.1726



24.1094, 0.4942, 0.4458



24.1094, 0.1350, 0.2281

Square

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



24.1094, 0.4942, 0.4458



24.1094, 0.2207, 0.4549



24.1094, 0.1470, 0.1819



24.1094, 0.3896, 0.2368

Rectangle

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



24.1094, 0.4942, 0.4458



24.1094, 0.3489, 0.5386



24.1094, 0.1470, 0.1819



24.1094, 0.2439, 0.1826

Sweetspot

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



24.1106, 0.4942, 0.4458



70.1328, 0.3650, 0.3804



10.5654, 0.5576, 0.2846



14.6809, 0.3733, 0.3876



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.1106, 0.4942, 0.4458



43.2464, 0.4957, 0.4446



41.3893, 0.3931, 0.5261



9.9798, 0.3272, 0.3441



16.7511, 0.4930, 0.4467



0.6999, 0.4696, 0.4653

Inverse Universe

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



6.9063, 0.1636, 0.1089



12.1236, 0.1628, 0.1061



3.7022, 0.1562, 0.0634



9.2008, 0.2985, 0.3134



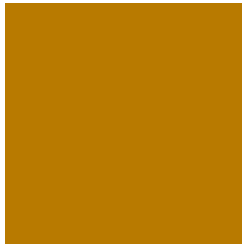
4.8780, 0.1642, 0.1111



0.2893, 0.1794, 0.1659

Previews

White Background



This preview shows how the Yxy color 24.1094, 0.4942, 0.4458 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 24.1094, 0.4942, 0.4458 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 24.1094, 0.4942, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 24.1094, 0.4942, 0.4458.



This preview shows how white text looks on a background with the Yxy color 24.1094, 0.4942, 0.4458.

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

24.1094, 0.4942, 0.4458

Protanopia

24.4072, 0.4374, 0.4851

Deuteranopia

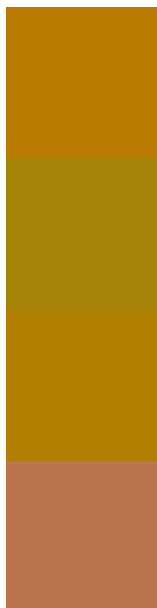
24.0963, 0.4717, 0.4637



Tritanopia

24.0342, 0.4006, 0.3167

Trichromacy



Original Color

24.1094, 0.4942, 0.4458

Protanomaly

24.1426, 0.4578, 0.4709

Deuteranomaly

24.1518, 0.4800, 0.4571

Tritanomaly

23.6056, 0.4534, 0.3807

Monochromacy



Original Color

24.1094, 0.4942, 0.4458

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5572, 0.3937, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1094, 0.4942, 0.4458 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(184, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 122, 0)  
}
```

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(184, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1094, 0.4942, 0.4458 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(184, 122, 0) }
```

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

```
.border{ border-color:rgb(184, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1094, 0.4942, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 122, 0) }
```

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

```
.background{ background-color: rgb(184,  
122, 0) }
```

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