

Converting Colors

$Y_{xy}(23.5045, 0.4761, 0.4515)$

Have a look what the booklet for
Yxy(23.5045, 0.4761, 0.4515)
contains.

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Color

Yxy(23.4544, 0.4765, 0.4513)

Conversions

Conversions Part 1

Format	Color
Hex	AE7C11
RGB	174, 124, 17
RGB Percent	68%, 49%, 7%
CMY	0.3177, 0.5137, 0.9333
CMYK	0.00, 0.29, 0.90, 0.32
HSL	41°, 82%, 37%
HSV	41°, 90%, 68%
XYZ	24.7641, 23.4544, 3.7523
YIQ	126.7520, 64.1470, -22.6770

Conversions

Conversions Part 2

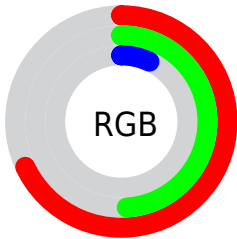
Format	Color
R_{YB}	90, 174, 17
Decimal	11435025
CIE Lab	55.54, 11.00, 58.26
CIE LCh	56, 59.285, 79.309
Yxy	23.4544, 0.4765, 0.4513
Android (android.graphics.Color)	4289625105 (0xFFAE7C11)
YUV	126.7520, -54.1077, 41.4365
Hunter-Lab	48.4297, 6.5221, 29.3071

Details

The Yxy color **23.4544, 0.4765, 0.4513** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1893, 0.1704, 0.1240**, and the grayscale version is **21.3074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0511, 0.4480, 0.4332**, and **8.8141, 0.4964, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **22.0947, 0.4889, 0.4500**, and if you desaturate by 10%, it is **24.9611, 0.4614, 0.4486**.

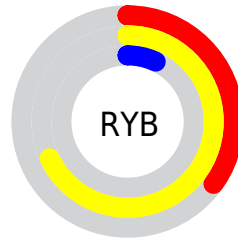
Distribution



Red (68%)

Green (49%)

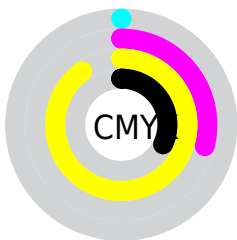
Blue (7%)



Red (35%)

Yellow (68%)

Blue (7%)

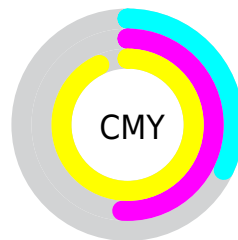


Cyan (0%)

Magenta (29%)

Yellow (90%)

Black (32%)



Cyan (32%)

Magenta (51%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4544, 0.4765, 0.4513 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 23.4544, 0.4765, 0.4513 by changing the saturation by 10% instead.

■ 23.4544, 0.4765,
0.4513

■ 23.4544, 0.4765,
0.4513

■ 270.0504, 0.3930,
0.3945

■ 14.9294, 0.4940,
0.4601

■ 49.1384, 0.4477,
0.4337

■ 8.7698, 0.5176,
0.4711

■ 67.0661, 0.4362,
0.4260

■ 4.5914, 0.5320,
0.4680

■ 88.8969, 0.4263,
0.4191

■ 2.0096, 0.5455,
0.4545

■ 115.0152, 0.4178,
0.4130


■ 0.6130, 0.5813,
0.4187

■ 145.8052, 0.4103,
0.4075


■ 0.0000, 0.0000,
0.0000

■ 181.6515, 0.4038,


0.4027


 222.9385, 0.3981,
0.3984


 23.4544, 0.4765,
0.4513


 23.4544, 0.4765,
0.4513


 22.0947, 0.4889,
0.4500

 24.9611, 0.4614,
0.4486

 26.5968, 0.4436,
0.4411

 28.3708, 0.4241,
0.4296

 30.2899, 0.4037,
0.4150

 32.3602, 0.3834,
0.3985

■ 34.5875, 0.3639,
0.3810

■ 36.9769, 0.3455,
0.3633

■ 39.5335, 0.3285,
0.3460

■ 42.2618, 0.3130,
0.3294

Harmonies

Analogous

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



23.4544, 0.5142, 0.3796



23.4544, 0.4765, 0.4513



23.4544, 0.3986, 0.5107

Triad

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



23.4544, 0.4765, 0.4513



23.4544, 0.1621, 0.3109



23.4544, 0.2920, 0.2042

Complementary

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



23.4544, 0.4765, 0.4513



7.1893, 0.1704, 0.1240

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.



23.4544, 0.2084, 0.1822



23.4544, 0.4765, 0.4513



23.4544, 0.1445, 0.2272

Square

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



23.4544, 0.4765, 0.4513



23.4544, 0.2177, 0.4292



23.4544, 0.1600, 0.1877



23.4544, 0.3989, 0.2497

Rectangle

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



23.4544, 0.4765, 0.4513



23.4544, 0.3364, 0.5226



23.4544, 0.1600, 0.1877



23.4544, 0.2604, 0.1941

Sweetspot

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



23.4556, 0.4765, 0.4513



63.9018, 0.3587, 0.3762



9.8334, 0.5329, 0.2796



13.8902, 0.3650, 0.3821



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.4556, 0.4765, 0.4513



39.6592, 0.4904, 0.4488



36.5919, 0.3908, 0.5216



8.8935, 0.3270, 0.3444



16.1362, 0.4879, 0.4508



0.5416, 0.4627, 0.4708

Inverse Universe

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



7.1893, 0.1704, 0.1240



10.2130, 0.1617, 0.1020



3.9743, 0.1664, 0.0748



8.1580, 0.2986, 0.3131



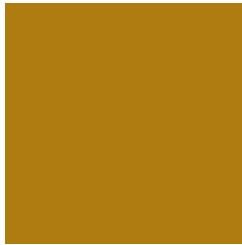
4.3230, 0.1630, 0.1069



0.2203, 0.1807, 0.1705

Previews

White Background



This preview shows how the Yxy color 23.4544, 0.4765, 0.4513 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 23.4544, 0.4765, 0.4513 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 23.4544, 0.4765, 0.4513

Background



This preview shows how black text looks on a background with the Yxy color 23.4544, 0.4765, 0.4513.



This preview shows how white text looks on a background with the Yxy color 23.4544, 0.4765, 0.4513.

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

23.4544, 0.4765, 0.4513

Protanopia

23.5847, 0.4341, 0.4822

Deuteranopia

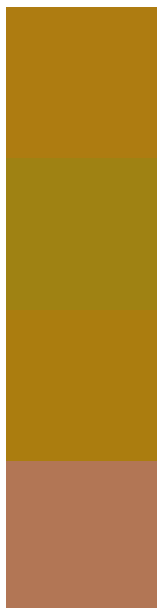
23.3884, 0.4690, 0.4589



Tritanopia

23.4200, 0.3859, 0.3161

Trichromacy



Original Color

23.4544, 0.4765, 0.4513

Protanomaly

23.3832, 0.4504, 0.4702

Deuteranomaly

23.3596, 0.4724, 0.4557

Tritanomaly

23.0777, 0.4326, 0.3770

Monochromacy



Original Color

23.4544, 0.4765, 0.4513

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5391, 0.3809, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4544, 0.4765, 0.4513 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(174, 124, 17)` looks like.

```
.text, #text, p{  
    color:rgb(174, 124, 17)  
}
```

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(174, 124, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 124, 17) }
```

Border

The CSS property to change the border of an element to Yxy 23.4544, 0.4765, 0.4513 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(174, 124, 17) }
```

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

```
.border{ border-color:rgb(174, 124, 17) }
```

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

Here you see how a box with a 4 pixel rgb(174, 124, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 124, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 124, 17);  
box-shadow:4px 4px 4px 4px rgb(174, 124,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4544, 0.4765, 0.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 124, 17) }
```

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

```
.background{ background-color: rgb(174,  
124, 17) }
```

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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