

Converting Colors

$Y_{xy}(23.5877, 0.4639, 0.4207)$

Have a look what the booklet for
Yxy(23.5877, 0.4639, 0.4207)
contains.

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Color

Yxy(23.7507, 0.4642, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	B37A34
RGB	179, 122, 52
RGB Percent	70%, 48%, 20%
CMY	0.2981, 0.5215, 0.7960
CMYK	0.00, 0.32, 0.71, 0.30
HSL	33°, 55%, 45%
HSV	33°, 71%, 70%
XYZ	26.1692, 23.7507, 6.4549
YIQ	131.0630, 56.4420, -9.6860

Conversions

Conversions Part 2

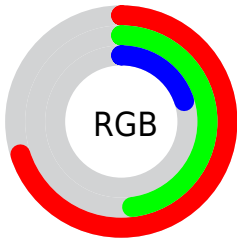
Format	Color
R _Y B	155, 179, 52
Decimal	11762228
CIE Lab	55.84, 15.63, 45.87
CIE LCh	56, 48.464, 71.181
Yxy	23.7507, 0.4642, 0.4213
Android (android.graphics.Color)	4289952308 (0xFFB37A34)
YUV	131.0630, -38.9781, 42.0407
Hunter-Lab	48.7347, 10.5638, 26.2613

Details

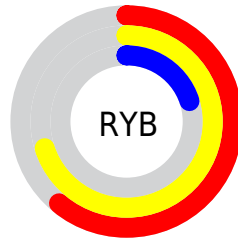
The Yxy color **23.7507, 0.4642, 0.4213** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **14.9219, 0.2012, 0.1998**, and the grayscale version is **22.8485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4086, 0.4344, 0.4066**, and **8.9027, 0.5082, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **21.7280, 0.4879, 0.4258**, and if you desaturate by 10%, it is **26.0000, 0.4392, 0.4126**.

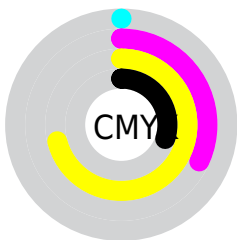
Distribution



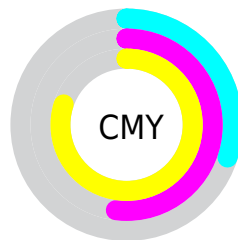
- Red (70%)
- Green (48%)
- Blue (20%)



- Red (61%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (32%)
- Yellow (71%)
- Black (30%)





- Cyan (30%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7507, 0.4642, 0.4213 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 23.7507, 0.4642, 0.4213 by changing the saturation by 10% instead.


 23.7507, 0.4642,
0.4213

 23.7507, 0.4642,
0.4213


271.5577, 0.3832,
0.3772


 15.1488, 0.4842,
0.4294


 49.6231, 0.4344,
0.4069


 8.9239, 0.5085,
0.4367


 67.6623, 0.4232,
0.4009


 4.6916, 0.5495,
0.4505


 89.6162, 0.4138,
0.3956

 2.0675, 0.5678,
0.4322

 115.8689, 0.4058,
0.3910

 0.6462, 0.6087,
0.3913

 146.8051, 0.3989,
0.3869

 0.0000, 0.0000,
0.0000

 182.8090, 0.3930,

0.3833

224.2651, 0.3878,
0.3801

■ 23.7507, 0.4642,
0.4213

■ 23.7507, 0.4642,
0.4213

■ 21.7280, 0.4879,
0.4258

■ 26.0000, 0.4392,
0.4126

■ 19.9171, 0.5088,
0.4252

■ 28.4824, 0.4143,
0.4008

■ 18.4435, 0.5254,
0.4210

■ 31.2081, 0.3905,
0.3872

■ 34.1855, 0.3683,
0.3727

■ 37.4226, 0.3481,
0.3581

■ 40.9268, 0.3301,
0.3438

■ 44.7052, 0.3141,
0.3302

■ 48.7646, 0.3000,
0.3175

■ 53.1115, 0.2877,
0.3057

Harmonies

Analogous

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



23.7507, 0.4787, 0.3606



23.7507, 0.4642, 0.4213



23.7507, 0.4085, 0.4714

Triad

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



23.7507, 0.4642, 0.4213



23.7507, 0.1966, 0.3410



23.7507, 0.2751, 0.2156

Complementary

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



23.7507, 0.4642, 0.4213



14.9219, 0.2012, 0.1998

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.



23.7507, 0.2111, 0.2030



23.7507, 0.4642, 0.4213



23.7507, 0.1709, 0.2619

Square

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



23.7507, 0.4642, 0.4213



23.7507, 0.2539, 0.4322



23.7507, 0.1763, 0.2167



23.7507, 0.3602, 0.2504

Rectangle

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



23.7507, 0.4642, 0.4213



23.7507, 0.3584, 0.4859



23.7507, 0.1763, 0.2167



23.7507, 0.2507, 0.2088

Sweetspot

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



23.7519, 0.4642, 0.4213



66.7788, 0.3489, 0.3587



13.1475, 0.4378, 0.2548



14.4356, 0.3542, 0.3626



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.



23.7519, 0.4642, 0.4213



37.0891, 0.4998, 0.4262



41.3302, 0.4003, 0.4882



9.2558, 0.3274, 0.3416



13.1653, 0.5239, 0.4222



0.5287, 0.4874, 0.4512

Inverse Universe

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



14.9219, 0.2012, 0.1998



20.4300, 0.1835, 0.1675



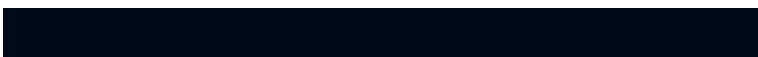
6.6218, 0.1822, 0.1084



8.8372, 0.2985, 0.3161



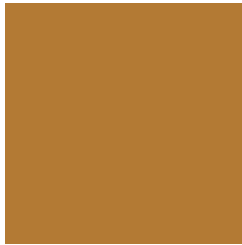
6.5149, 0.1732, 0.1436



0.3220, 0.1885, 0.1985

Previews

White Background



This preview shows how the Yxy color 23.7507, 0.4642, 0.4213 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 23.7507, 0.4642, 0.4213 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 23.7507, 0.4642, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 23.7507, 0.4642, 0.4213.



This preview shows how white text looks on a background with the Yxy color 23.7507, 0.4642, 0.4213.

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

23.7507, 0.4642, 0.4213

Protanopia

23.7253, 0.4118, 0.4516

Deuteranopia

23.8841, 0.4449, 0.4385



Tritanopia

23.8819, 0.3922, 0.3178

Trichromacy



Original Color

23.7507, 0.4642, 0.4213

Protanomaly

23.7147, 0.4302, 0.4403

Deuteranomaly

23.8187, 0.4511, 0.4323

Tritanomaly

23.7650, 0.4224, 0.3594

Monochromacy



Original Color

23.7507, 0.4642, 0.4213

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6936, 0.3673, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7507, 0.4642, 0.4213 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, 122, 52)` looks like.

```
.text, #text, p{  
    color:rgb(179, 122, 52)  
}
```

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, 122, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 122, 52) }
```

Border

The CSS property to change the border of an element to Yxy 23.7507, 0.4642, 0.4213 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, 122, 52) }
```

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

```
.border{ border-color:rgb(179, 122, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 122, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 122, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 122, 52);  
box-shadow:4px 4px 4px 4px rgb(179, 122,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7507, 0.4642, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 122, 52) }
```

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

```
.background{ background-color: rgb(179,  
122, 52) }
```

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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