

Converting Colors

$Y_{xy}(12.6220, 0.4951, 0.4251)$

Have a look what the booklet for
Yxy(12.6220, 0.4951, 0.4251)
contains.

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Color

Yxy(12.6213, 0.4951, 0.4251)

Conversions

Conversions Part 1

Format	Color
Hex	8E5715
RGB	142, 87, 21
RGB Percent	56%, 34%, 8%
CMY	0.4431, 0.6588, 0.9178
CMYK	0.00, 0.39, 0.85, 0.44
HSL	33°, 74%, 32%
HSV	33°, 85%, 56%
XYZ	14.6996, 12.6213, 2.3693
YIQ	95.9210, 53.9660, -8.8660

Conversions

Conversions Part 2

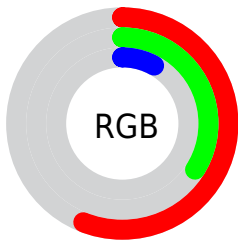
Format	Color
R_{YB}	122, 142, 21
Decimal	9328405
CIE _{Lab}	42.19, 17.58, 44.49
CIE _{LCh}	42, 47.834, 68.438
Yxy	12.6213, 0.4951, 0.4251
Android (android.graphics.Color)	4287518485 (0xFF8E5715)
YUV	95.9210, -36.9361, 40.4113
Hunter-Lab	35.5265, 11.6858, 20.9144

Details

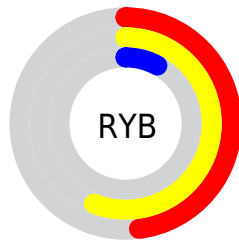
The Yxy color **12.6213, 0.4951, 0.4251** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2779, 0.1867, 0.1748**, and the grayscale version is **11.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6256, 0.4544, 0.4105**, and **3.5643, 0.5360, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **11.5840, 0.5152, 0.4232**, and if you desaturate by 10%, it is **13.7825, 0.4722, 0.4221**.

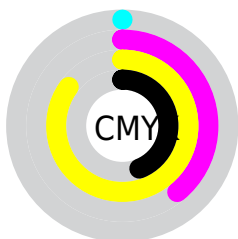
Distribution



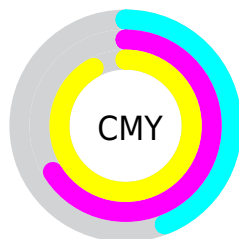
- Red (56%)
- Green (34%)
- Blue (8%)



- Red (48%)
- Yellow (56%)
- Blue (8%)



- Cyan (0%)
- Magenta (39%)
- Yellow (85%)
- Black (44%)





- Cyan (44%)
- Magenta (66%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6213, 0.4951, 0.4251 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 12.6213, 0.4951, 0.4251 by changing the saturation by 10% instead.


 12.6213, 0.4951,
0.4251


 12.6213, 0.4951,
0.4251

208.4762, 0.3899,
0.3781


 7.1683, 0.5227,
0.4310

 30.6217, 0.4547,
0.4107


 3.5676, 0.5631,
0.4369

 43.9380, 0.4400,
0.4042

 1.4347, 0.5877,
0.4123

 60.6440, 0.4278,
0.3984

 0.2421, 0.7314,
0.2686

 81.1244, 0.4177,
0.3933


 0.0000, 0.0000,
0.0000


 105.7634, 0.4091,
0.3887


 134.9454, 0.4017,

0.3848


 169.0549, 0.3954,
0.3813


 12.6213, 0.4951,
0.4251


 12.6213, 0.4951,
0.4251

 11.5840, 0.5152,
0.4232

 13.7825, 0.4722,
0.4221

 11.1253, 0.5246,
0.4216

 15.0730, 0.4476,
0.4148

 16.4995, 0.4228,
0.4042

 18.0673, 0.3988,
0.3914

 19.7814, 0.3763,
0.3775

■ 21.6465, 0.3557,
0.3633

■ 23.6670, 0.3371,
0.3493

■ 25.8470, 0.3206,
0.3358

■ 28.1905, 0.3060,
0.3230

Harmonies

Analogous

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



12.6213, 0.5113, 0.3543



12.6213, 0.4951, 0.4251



12.6213, 0.4293, 0.4918

Triad

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



12.6213, 0.4951, 0.4251



12.6213, 0.1787, 0.3519



12.6213, 0.2582, 0.1941

Complementary

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



12.6213, 0.4951, 0.4251



7.2779, 0.1867, 0.1748

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.



12.6213, 0.1876, 0.1817



12.6213, 0.4951, 0.4251



12.6213, 0.1478, 0.2527

Square

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



12.6213, 0.4951, 0.4251



12.6213, 0.2472, 0.4673



12.6213, 0.1517, 0.1985



12.6213, 0.3592, 0.2316

Rectangle

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



12.6213, 0.4951, 0.4251



12.6213, 0.3706, 0.5188



12.6213, 0.1517, 0.1985



12.6213, 0.2307, 0.1870

Sweetspot

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



12.6220, 0.4951, 0.4251



37.7223, 0.3583, 0.3652



6.8289, 0.4671, 0.2496



8.2005, 0.3643, 0.3694



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.6220, 0.4951, 0.4251



19.2864, 0.5273, 0.4195



24.8031, 0.4097, 0.5009



5.8809, 0.3269, 0.3410



10.0249, 0.5241, 0.4221



0.1400, 0.4693, 0.4656

Inverse Universe

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



7.2779, 0.1867, 0.1748



9.6978, 0.1731, 0.1430



2.6952, 0.1630, 0.0791



5.6334, 0.2990, 0.3167



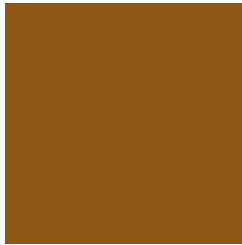
5.1360, 0.1743, 0.1473



0.0922, 0.1966, 0.2276

Previews

White Background



This preview shows how the Yxy color 12.6213, 0.4951, 0.4251 looks on a white 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

Black Background



This preview shows how the Yxy color 12.6213, 0.4951, 0.4251 looks on a black 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

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

Yxy 12.6213, 0.4951, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 12.6213, 0.4951, 0.4251.



This preview shows how white text looks on a background with the Yxy color 12.6213, 0.4951, 0.4251.

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

12.6213, 0.4951, 0.4251

Protanopia

12.6250, 0.4267, 0.4723

Deuteranopia

12.6574, 0.4616, 0.4568



Tritanopia

12.5927, 0.4135, 0.3187

Trichromacy



Original Color

12.6213, 0.4951, 0.4251

Protanomaly

12.4572, 0.4526, 0.4541

Deuteranomaly

12.6035, 0.4745, 0.4445

Tritanomaly

12.4747, 0.4522, 0.3641

Monochromacy



Original Color

12.6213, 0.4951, 0.4251

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7691, 0.3825, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6213, 0.4951, 0.4251 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(142, 87, 21)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 21)  
}
```

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(142, 87, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.6213, 0.4951, 0.4251 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(142, 87, 21) }
```

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

```
.border{ border-color:rgb(142, 87, 21) }
```

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

Here you see how a box with a 4 pixel rgb(142, 87, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 21);  
box-shadow:4px 4px 4px 4px rgb(142, 87,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6213, 0.4951, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 21) }
```

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

```
.background{ background-color: rgb(142, 87,  
21) }
```

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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