

Converting Colors

$Y_{xy}(21.6510, 0.4646, 0.4576)$

Have a look what the booklet for
Yxy(21.6510, 0.4646, 0.4576)
contains.

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Color

$\text{Yxy}(21.6510, 0.4646, 0.4576)$

Conversions

Conversions Part 1

Format	Color
Hex	A27A14
RGB	162, 122, 20
RGB Percent	64%, 48%, 8%
CMY	0.3648, 0.5215, 0.9217
CMYK	0.00, 0.25, 0.88, 0.36
HSL	43°, 78%, 36%
HSV	43°, 88%, 64%
XYZ	21.9822, 21.6510, 3.6810
YIQ	122.3320, 56.5820, -23.2420

Conversions

Conversions Part 2

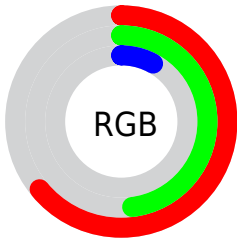
Format	Color
RYB	76, 162, 20
Decimal	10648084
CIELab	53.65, 6.68, 55.42
CIElCh	54, 55.825, 83.131
Yxy	21.6510, 0.4646, 0.4576
Android (android.graphics.Color)	4288838164 (0xFFA27A14)
YUV	122.3320, -50.4497, 34.7888
Hunter-Lab	46.5306, 2.8991, 27.8810

Details

The Yxy color **21.6510, 0.4646, 0.4576** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9814, 0.1709, 0.1214**, and the grayscale version is **19.7304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1661, 0.4375, 0.4366**, and **7.9617, 0.4810, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **20.5165, 0.4762, 0.4580**, and if you desaturate by 10%, it is **22.8761, 0.4503, 0.4528**.

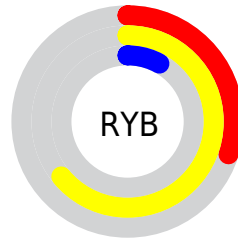
Distribution



Red (64%)

Green (48%)

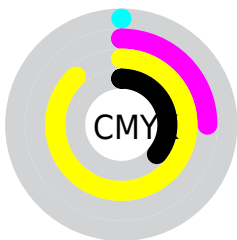
Blue (8%)



Red (30%)

Yellow (64%)

Blue (8%)

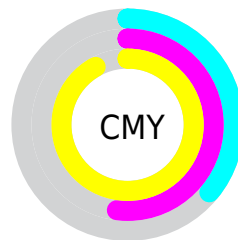


Cyan (0%)

Magenta (25%)

Yellow (88%)

Black (36%)



Cyan (36%)


Magenta (52%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6510, 0.4646, 0.4576 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 21.6510, 0.4646, 0.4576 by changing the saturation by 10% instead.


 21.6510, 0.4646,
0.4576


 21.6510, 0.4646,
0.4576


260.7183, 0.3863,
0.3948


 13.6007, 0.4812,
0.4688

 46.1685, 0.4373,
0.4371

 7.8435, 0.5046,
0.4842


 63.4045, 0.4265,
0.4285


 3.9949, 0.5160,
0.4840


 84.4711, 0.4172,
0.4209

 1.6707, 0.5255,
0.4745

 109.7528, 0.4093,
0.4143

 0.4046, 0.5751,
0.4249

 139.6340, 0.4023,
0.4085

 0.0000, 0.0000,
0.0000

 174.4990, 0.3963,

0.4034

214.7323, 0.3910,
0.3988

21.6510, 0.4646,
0.4576

21.6510, 0.4646,
0.4576

20.5165, 0.4762,
0.4580

22.8761, 0.4503,
0.4528

20.2604, 0.4789,
0.4580

24.1981, 0.4335,
0.4434

25.6242, 0.4151,
0.4303

27.1597, 0.3959,
0.4145

28.8093, 0.3767,
0.3970

■ 30.5773, 0.3581,
0.3786

■ 32.4678, 0.3406,
0.3602

■ 34.4845, 0.3243,
0.3422

■ 36.6311, 0.3094,
0.3251

Harmonies

Analogous

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



21.6510, 0.5069, 0.3883



21.6510, 0.4646, 0.4576



21.6510, 0.3860, 0.5098

Triad

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



21.6510, 0.4646, 0.4576



21.6510, 0.1620, 0.2992



21.6510, 0.3054, 0.2119

Complementary

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



21.6510, 0.4646, 0.4576



5.9814, 0.1709, 0.1214

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.



21.6510, 0.2199, 0.1872



21.6510, 0.4646, 0.4576



21.6510, 0.1489, 0.2233

Square

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



21.6510, 0.4646, 0.4576



21.6510, 0.2118, 0.4111



21.6510, 0.1680, 0.1891



21.6510, 0.4093, 0.2590

Rectangle

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



21.6510, 0.4646, 0.4576



21.6510, 0.3248, 0.5138



21.6510, 0.1680, 0.1891



21.6510, 0.2735, 0.2010

Sweetspot

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



21.6521, 0.4646, 0.4576



55.9205, 0.3560, 0.3765



8.5068, 0.5398, 0.2876



12.3150, 0.3620, 0.3826



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.6521, 0.4646, 0.4576



36.4307, 0.4802, 0.4569



30.7242, 0.3831, 0.5246



7.8987, 0.3268, 0.3451



16.0425, 0.4782, 0.4585



0.4106, 0.4528, 0.4787

Inverse Universe

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



5.9814, 0.1709, 0.1214



7.9217, 0.1595, 0.0940



3.8045, 0.1750, 0.0820



7.1695, 0.2987, 0.3124



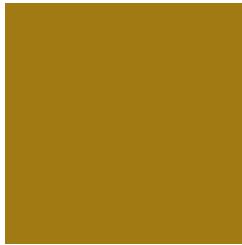
3.6343, 0.1607, 0.0985



0.1522, 0.1803, 0.1689

Previews

White Background



This preview shows how the Yxy color 21.6510, 0.4646, 0.4576 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 21.6510, 0.4646, 0.4576 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 21.6510, 0.4646, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 21.6510, 0.4646, 0.4576.



This preview shows how white text looks on a background with the Yxy color 21.6510, 0.4646, 0.4576.

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

21.6510, 0.4646, 0.4576

Protanopia

21.7782, 0.4335, 0.4799

Deuteranopia

21.6510, 0.4646, 0.4576



Tritanopia

21.7646, 0.3738, 0.3168

Trichromacy



Original Color

21.6510, 0.4646, 0.4576

Protanomaly

21.5552, 0.4454, 0.4716

Deuteranomaly

21.6510, 0.4646, 0.4576

Tritanomaly

21.4854, 0.4184, 0.3789

Monochromacy



Original Color

21.6510, 0.4646, 0.4576

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.8933, 0.3765, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6510, 0.4646, 0.4576 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(162, 122, 20)` looks like.

```
.text, #text, p{  
    color:rgb(162, 122, 20)  
}
```

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(162, 122, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 122, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.6510, 0.4646, 0.4576 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(162, 122, 20) }
```

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

```
.border{ border-color:rgb(162, 122, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 122, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 122, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 122, 20);  
box-shadow:4px 4px 4px 4px rgb(162, 122,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6510, 0.4646, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 122, 20) }
```

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

```
.background{ background-color: rgb(162,  
122, 20) }
```

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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