

Converting Colors

$Y_{xy}(21.1926, 0.4754, 0.4350)$

Have a look what the booklet for
Yxy(21.1926, 0.4754, 0.4350)
contains.

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Color

Yxy(21.1523, 0.4751, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	AA7422
RGB	170, 116, 34
RGB Percent	67%, 45%, 13%
CMY	0.3334, 0.5450, 0.8667
CMYK	0.00, 0.32, 0.80, 0.33
HSL	36°, 67%, 40%
HSV	36°, 80%, 67%
XYZ	23.1075, 21.1523, 4.3773
YIQ	122.7980, 58.5060, -14.0540

Conversions

Conversions Part 2

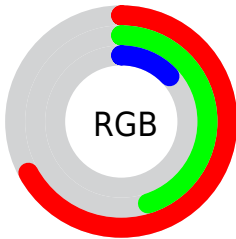
Format	Color
RYB	124, 170, 34
Decimal	11170850
CIELab	53.12, 14.15, 50.65
CIElCh	53, 52.590, 74.392
Yxy	21.1523, 0.4751, 0.4349
Android (android.graphics.Color)	4289360930 (0xFFAA7422)
YUV	122.7980, -43.7774, 41.3962
Hunter-Lab	45.9916, 9.1982, 26.5511

Details

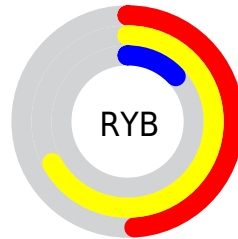
The Yxy color **21.1523, 0.4751, 0.4349** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2121, 0.1869, 0.1674**, and the grayscale version is **19.8699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3192, 0.4437, 0.4193**, and **7.6450, 0.5064, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **19.5792, 0.4939, 0.4362**, and if you desaturate by 10%, it is **22.8889, 0.4537, 0.4288**.

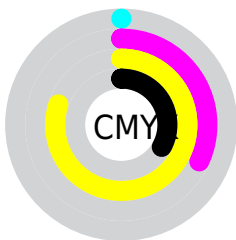
Distribution



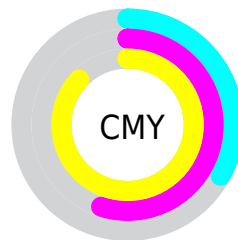
- Red (67%)
- Green (45%)
- Blue (13%)



- Red (49%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1523, 0.4751, 0.4349 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 21.1523, 0.4751, 0.4349 by changing the saturation by 10% instead.


 21.1523, 0.4751,
0.4349


 21.1523, 0.4751,
0.4349


258.0868, 0.3885,
0.3845


 13.2354, 0.4954,
0.4432


 45.3409, 0.4438,
0.4189

 7.5908, 0.5214,
0.4518


 62.3813, 0.4318,
0.4120


 3.8343, 0.5476,
0.4524

 83.2317, 0.4217,
0.4059

 1.5813, 0.5670,
0.4330

 108.2764, 0.4130,
0.4005

 0.3449, 0.6612,
0.3388

 137.8999, 0.4056,
0.3958

 0.0000, 0.0000,
0.0000

 172.4865, 0.3992,

0.3916

212.4207, 0.3935,
0.3878

21.1523, 0.4751,
0.4349

21.1523, 0.4751,
0.4349

19.5792, 0.4939,
0.4362

22.8889, 0.4537,
0.4288

18.1505, 0.5101,
0.4332

24.7945, 0.4310,
0.4186

26.8778, 0.4081,
0.4055

29.1455, 0.3859,
0.3906

31.6042, 0.3650,
0.3749

■ 34.2597, 0.3457,
0.3591

■ 37.1177, 0.3283,
0.3437

■ 40.1835, 0.3127,
0.3290

■ 43.4623, 0.2988,
0.3152

Harmonies

Analogous

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



21.1523, 0.4996, 0.3680



21.1523, 0.4751, 0.4349



21.1523, 0.4082, 0.4914

Triad

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



21.1523, 0.4751, 0.4349



21.1523, 0.1788, 0.3301



21.1523, 0.2793, 0.2072

Complementary

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



21.1523, 0.4751, 0.4349



10.2121, 0.1869, 0.1674

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.



21.1523, 0.2060, 0.1905



21.1523, 0.4751, 0.4349



21.1523, 0.1556, 0.2454

Square

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



21.1523, 0.4751, 0.4349



21.1523, 0.2374, 0.4369



21.1523, 0.1652, 0.2011



21.1523, 0.3762, 0.2471

Rectangle

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



21.1523, 0.4751, 0.4349



21.1523, 0.3514, 0.5067



21.1523, 0.1652, 0.2011



21.1523, 0.2514, 0.1989

Sweetspot

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



21.1534, 0.4751, 0.4349



60.0001, 0.3540, 0.3661



10.3977, 0.4773, 0.2623



13.0107, 0.3608, 0.3716



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.1534, 0.4751, 0.4349



33.5144, 0.5061, 0.4336



35.9608, 0.3986, 0.5040



8.2667, 0.3271, 0.3426



13.4671, 0.5089, 0.4341



0.4234, 0.4724, 0.4631

Inverse Universe

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



10.2121, 0.1869, 0.1674



13.2189, 0.1704, 0.1308



4.6633, 0.1731, 0.0895



7.7708, 0.2986, 0.3150



5.2306, 0.1690, 0.1284



0.2277, 0.1879, 0.1965

Previews

White Background



This preview shows how the Yxy color 21.1523, 0.4751, 0.4349 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 21.1523, 0.4751, 0.4349 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 21.1523, 0.4751, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 21.1523, 0.4751, 0.4349.



This preview shows how white text looks on a background with the Yxy color 21.1523, 0.4751, 0.4349.

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

21.1523, 0.4751, 0.4349

Protanopia

21.4116, 0.4245, 0.4690

Deuteranopia

21.2526, 0.4577, 0.4505



Tritanopia

21.1000, 0.3938, 0.3172

Trichromacy



Original Color

21.1523, 0.4751, 0.4349

Protanomaly

21.3150, 0.4427, 0.4567

Deuteranomaly

21.1960, 0.4646, 0.4440

Tritanomaly

20.9250, 0.4310, 0.3667

Monochromacy



Original Color

21.1523, 0.4751, 0.4349

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7637, 0.3744, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1523, 0.4751, 0.4349 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(170, 116, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 34)  
}
```

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(170, 116, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.1523, 0.4751, 0.4349 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(170, 116, 34) }
```

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

```
.border{ border-color:rgb(170, 116, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1523, 0.4751, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 34) }
```

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

```
.background{ background-color: rgb(170,  
116, 34) }
```

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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