

Converting Colors

$Y_{xy}(21.2569, 0.5037, 0.4383)$

Have a look what the booklet for
Yxy(21.2569, 0.5037, 0.4383)
contains.

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Color

Yxy(21.1720, 0.5043, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	B37000
RGB	179, 112, 0
RGB Percent	70%, 44%, 0%
CMY	0.2980, 0.5608, 1.0000
CMYK	0.00, 0.37, 1.00, 0.30
HSL	38°, 100%, 35%
HSV	38°, 100%, 70%
XYZ	24.3879, 21.1720, 2.8000
YIQ	119.2650, 75.8840, -20.6280

Conversions

Conversions Part 2

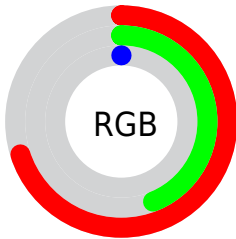
Format	Color
RYB	107, 179, 0
Decimal	11759616
CIELab	53.14, 19.72, 60.17
CIELCh	53, 63.317, 71.855
Yxy	21.1720, 0.5043, 0.4378
Android (android.graphics.Color)	4289949696 (0xFFB37000)
YUV	119.2650, -58.7976, 52.3876
Hunter-Lab	46.0130, 14.0862, 28.6011

Details

The Yxy color **21.1720, 0.5043, 0.4378** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2729, 0.1665, 0.1193**, and the grayscale version is **18.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4578, 0.4699, 0.4258**, and **7.6599, 0.5260, 0.4206** is the 20% darker color. If you saturate the color by 10%, you get **21.1732, 0.5043, 0.4378**, and if you desaturate by 10%, it is **22.7511, 0.4892, 0.4405**.

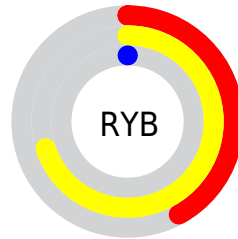
Distribution



Red (70%)

Green (44%)

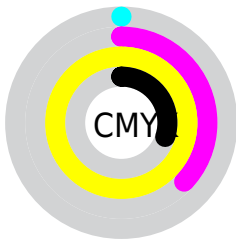
Blue (0%)



Red (42%)

Yellow (70%)

Blue (0%)

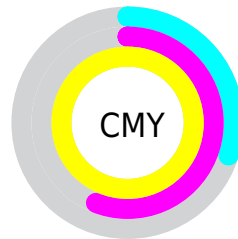


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1720, 0.5043, 0.4378 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 21.1720, 0.5043, 0.4378 by changing the saturation by 10% instead.


 21.1720, 0.5043,
0.4378

 21.1720, 0.5043,
0.4378


258.1912, 0.4053,
0.3917


 13.2498, 0.5251,
0.4418


 45.3736, 0.4700,
0.4256

 7.6008, 0.5539,
0.4461


 62.4218, 0.4564,
0.4194


 3.8406, 0.5698,
0.4302

 83.2808, 0.4446,
0.4136

 1.5848, 0.5955,
0.4045

 108.3349, 0.4345,
0.4083


 0.3473, 0.7003,
0.2997


 137.9686, 0.4257,
0.4035


 0.0000, 0.0000,
0.0000


 172.5663, 0.4181,


0.3992


 212.5124, 0.4113,
0.3953


 21.1720, 0.5043,
0.4378

 21.1720, 0.5043,
0.4378


 21.1732, 0.5043,
0.4378

 22.7511, 0.4892,
0.4405

 24.4809, 0.4715,
0.4390

 26.3799, 0.4512,
0.4325

 28.4576, 0.4293,
0.4219

 30.7221, 0.4071,
0.4084

■ 33.1810, 0.3853,
0.3930

■ 35.8410, 0.3647,
0.3767

■ 38.7085, 0.3457,
0.3603

■ 41.7895, 0.3283,
0.3443

Harmonies

Analogous

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



21.1720, 0.5332, 0.3610



21.1720, 0.5043, 0.4378



21.1720, 0.4259, 0.5123

Triad

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



21.1720, 0.5043, 0.4378



21.1720, 0.1597, 0.3381



21.1720, 0.2632, 0.1861

Complementary

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



21.1720, 0.5043, 0.4378



7.2729, 0.1665, 0.1193

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.



21.1720, 0.1830, 0.1694



21.1720, 0.5043, 0.4378



21.1720, 0.1327, 0.2341

Square

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



21.1720, 0.5043, 0.4378



21.1720, 0.2283, 0.4726



21.1720, 0.1411, 0.1824



21.1720, 0.3773, 0.2286

Rectangle

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



21.1720, 0.5043, 0.4378



21.1720, 0.3605, 0.5419



21.1720, 0.1411, 0.1824



21.1720, 0.2320, 0.1775

Sweetspot

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



21.1732, 0.5043, 0.4378



63.9241, 0.3657, 0.3776



10.0111, 0.5440, 0.2771



13.7144, 0.3742, 0.3844



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.



21.1732, 0.5043, 0.4378



37.4668, 0.5060, 0.4364



39.5310, 0.3990, 0.5214



9.3612, 0.3272, 0.3432



15.0863, 0.5030, 0.4388



0.5823, 0.4741, 0.4617

Inverse Universe

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



7.2729, 0.1665, 0.1193



12.6261, 0.1657, 0.1164



3.4137, 0.1543, 0.0624



8.7341, 0.2985, 0.3144



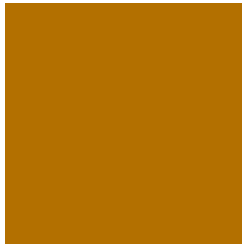
5.2543, 0.1671, 0.1215



0.2796, 0.1834, 0.1802

Previews

White Background



This preview shows how the Yxy color 21.1720, 0.5043, 0.4378 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 21.1720, 0.5043, 0.4378 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 21.1720, 0.5043, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 21.1720, 0.5043, 0.4378.



This preview shows how white text looks on a background with the Yxy color 21.1720, 0.5043, 0.4378.

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

21.1720, 0.5043, 0.4378

Protanopia

21.3967, 0.4367, 0.4843

Deuteranopia

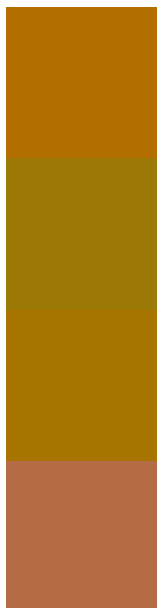
21.2518, 0.4707, 0.4645



Tritanopia

21.1378, 0.4120, 0.3178

Trichromacy



Original Color

21.1720, 0.5043, 0.4378

Protanomaly

21.1047, 0.4624, 0.4668

Deuteranomaly

21.2817, 0.4832, 0.4545

Tritanomaly

20.9154, 0.4649, 0.3786

Monochromacy



Original Color

21.1720, 0.5043, 0.4378

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.6753, 0.3971, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1720, 0.5043, 0.4378 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, 112, 0)` looks like.

```
.text, #text, p{  
  color:rgb(179, 112, 0)  
}
```

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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1720, 0.5043, 0.4378 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, 112, 0) }
```

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

```
.border{ border-color:rgb(179, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1720, 0.5043, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 112, 0) }
```

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

```
.background{ background-color: rgb(179,  
112, 0) }
```

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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