

Converting Colors

$Y_{xy}(21.5891, 0.4505, 0.4757)$

Have a look what the booklet for
Yxy(21.5891, 0.4505, 0.4757)
contains.

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Color

Yxy(21.6168, 0.4504, 0.4758)

Conversions

Conversions Part 1

Format	Color
Hex	987E09
RGB	152, 126, 9
RGB Percent	60%, 49%, 4%
CMY	0.4038, 0.5059, 0.9646
CMYK	0.00, 0.17, 0.94, 0.40
HSL	49°, 89%, 32%
HSV	49°, 94%, 60%
XYZ	20.4628, 21.6168, 3.3529
YIQ	120.4360, 53.0530, -30.8750

Conversions

Conversions Part 2

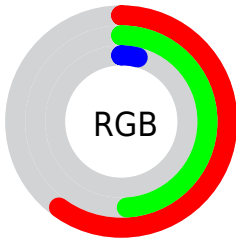
Format	Color
R_{YB}	41, 152, 9
Decimal	9993737
CIE _{Lab}	53.62, -0.41, 57.34
CIE _{LCh}	54, 57.345, 90.406
Yxy	21.6168, 0.4504, 0.4758
Android (android.graphics.Color)	4288183817 (0xFF987E09)
YUV	120.4360, -54.9379, 27.6816
Hunter-Lab	46.4939, -2.8031, 28.2700

Details

The Yxy color **21.6168, 0.4504, 0.4758** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.5316, 0.1597, 0.0883**, and the grayscale version is **19.0988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9974, 0.4271, 0.4502**, and **7.8491, 0.4583, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **21.1813, 0.4550, 0.4769**, and if you desaturate by 10%, it is **22.3826, 0.4416, 0.4720**.

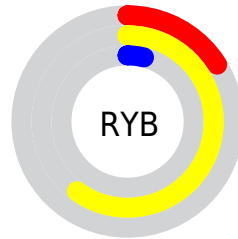
Distribution



Red (60%)

Green (49%)

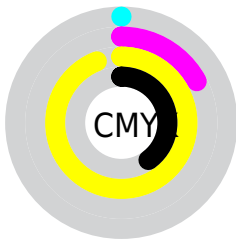
Blue (4%)



Red (16%)

Yellow (60%)

Blue (4%)

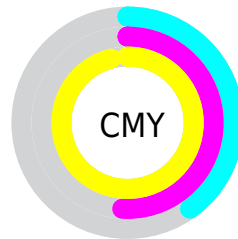


Cyan (0%)

Magenta (17%)

Yellow (94%)

Black (40%)



Cyan (40%)


Magenta (51%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6168, 0.4504, 0.4758 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 21.6168, 0.4504, 0.4758 by changing the saturation by 10% instead.


 21.6168, 0.4504,
0.4758


 21.6168, 0.4504,
0.4758


260.5385, 0.3812,
0.4018


 13.5756, 0.4637,
0.4902


 46.1118, 0.4271,
0.4508


 7.8261, 0.4845,
0.5127


 63.3345, 0.4176,
0.4406


 3.9839, 0.4855,
0.5145

 84.3863, 0.4093,
0.4318

 1.6645, 0.4849,
0.5151

 109.6519, 0.4021,
0.4241

 0.4005, 0.4807,
0.5193


 139.5155, 0.3959,
0.4174


 0.0000, 0.0000,
0.0000


 174.3615, 0.3904,

0.4115


 214.5744, 0.3855,
0.4064


 21.6168, 0.4504,
0.4758

 21.6168, 0.4504,
0.4758

 21.1813, 0.4550,
0.4769

 22.3826, 0.4416,
0.4720

 23.2023, 0.4301,
0.4639

 24.0825, 0.4163,
0.4516

 25.0276, 0.4007,
0.4359

 26.0414, 0.3841,
0.4176

■ 27.1275, 0.3670,
0.3978

■ 28.2890, 0.3502,
0.3773

■ 29.5290, 0.3340,
0.3568

■ 30.8502, 0.3186,
0.3369

Harmonies

Analogous

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



21.6168, 0.5057, 0.4060



21.6168, 0.4504, 0.4758



21.6168, 0.3645, 0.5203

Triad

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



21.6168, 0.4504, 0.4758



21.6168, 0.1522, 0.2748



21.6168, 0.3303, 0.2192

Complementary

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



21.6168, 0.4504, 0.4758



3.5316, 0.1597, 0.0883

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.



21.6168, 0.2357, 0.1880



21.6168, 0.4504, 0.4758



21.6168, 0.1473, 0.2086

Square

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



21.6168, 0.4504, 0.4758



21.6168, 0.1933, 0.3842



21.6168, 0.1745, 0.1829



21.6168, 0.4360, 0.2714

Rectangle

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



21.6168, 0.4504, 0.4758



21.6168, 0.3014, 0.5113



21.6168, 0.1745, 0.1829



21.6168, 0.2958, 0.2061

Sweetspot

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



21.6179, 0.4504, 0.4758



50.4106, 0.3577, 0.3866



6.9967, 0.5908, 0.3094



10.9477, 0.3645, 0.3947



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.6179, 0.4504, 0.4758



38.2134, 0.4558, 0.4763



25.5946, 0.3669, 0.5423



7.0316, 0.3264, 0.3471



17.7945, 0.4547, 0.4772



0.3101, 0.4367, 0.4915

Inverse Universe

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



3.5316, 0.1597, 0.0883



5.3933, 0.1545, 0.0762



3.2567, 0.1803, 0.0804



6.1993, 0.2988, 0.3103



2.6190, 0.1555, 0.0797



0.0788, 0.1726, 0.1413

Previews

White Background



This preview shows how the Yxy color 21.6168, 0.4504, 0.4758 looks on a white background.

Color Contrast Check

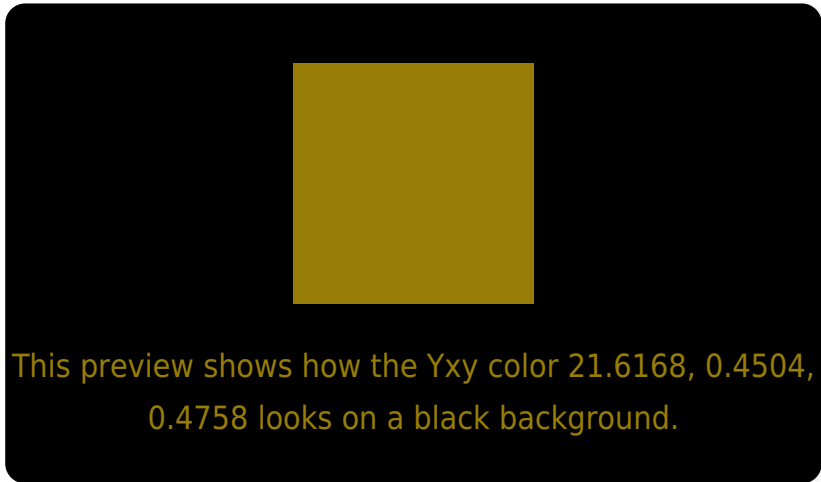
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 21.6168, 0.4504, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 21.6168, 0.4504, 0.4758.

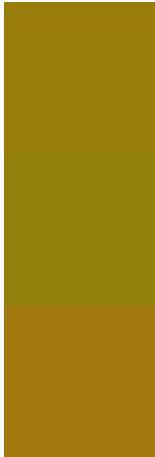


This preview shows how white text looks on a background with the Yxy color 21.6168, 0.4504, 0.4758.

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

21.6168, 0.4504, 0.4758

Protanopia

21.7422, 0.4373, 0.4856

Deuteranopia

21.6349, 0.4664, 0.4598



Tritanopia

21.5999, 0.3558, 0.3147

Trichromacy



Original Color

21.6168, 0.4504, 0.4758

Protanomaly

21.7562, 0.4424, 0.4816

Deuteranomaly

21.4641, 0.4609, 0.4654

Tritanomaly

21.1254, 0.4056, 0.3897

Monochromacy



Original Color

21.6168, 0.4504, 0.4758

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.4038, 0.3756, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6168, 0.4504, 0.4758 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(152, 126, 9)` looks like.

```
.text, #text, p{  
    color:rgb(152, 126, 9)  
}
```

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(152, 126, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 126, 9) }
```

Border

The CSS property to change the border of an element to Yxy 21.6168, 0.4504, 0.4758 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(152, 126, 9) }
```

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

```
.border{ border-color:rgb(152, 126, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 126, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 126, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 126, 9);  
box-shadow:4px 4px 4px 4px rgb(152, 126,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6168, 0.4504, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 126, 9) }
```

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

```
.background{ background-color: rgb(152,  
126, 9) }
```

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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