

Converting Colors

$Y_{xy}(21.3151, 0.4363, 0.4574)$

Have a look what the booklet for
Yxy(21.3151, 0.4363, 0.4574)
contains.

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Color

$\text{Yxy}(21.2977, 0.4357, 0.4577)$

Conversions

Conversions Part 1

Format	Color
Hex	967D27
RGB	150, 125, 39
RGB Percent	59%, 49%, 15%
CMY	0.4119, 0.5098, 0.8471
CMYK	0.00, 0.17, 0.74, 0.41
HSL	47°, 59%, 37%
HSV	47°, 74%, 59%
XYZ	20.2740, 21.2977, 4.9603
YIQ	122.6710, 42.5060, -21.4460

Conversions

Conversions Part 2

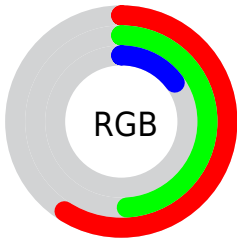
Format	Color
R_{YB}	71, 150, 39
Decimal	9862439
CIE _{Lab}	53.27, 0.15, 48.01
CIE _{LCh}	53, 48.008, 89.817
Yxy	21.2977, 0.4357, 0.4577
Android (android.graphics.Color)	4288052519 (0xFF967D27)
YUV	122.6710, -41.2498, 23.9675
Hunter-Lab	46.1494, -2.3443, 25.9319

Details

The Yxy color **21.2977, 0.4357, 0.4577** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.2933, 0.1853, 0.1427**, and the grayscale version is **19.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4479, 0.4127, 0.4332**, and **7.7407, 0.4546, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **20.3785, 0.4488, 0.4653**, and if you desaturate by 10%, it is **22.2873, 0.4203, 0.4459**.

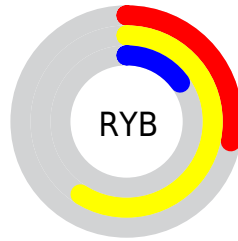
Distribution



Red (59%)

Green (49%)

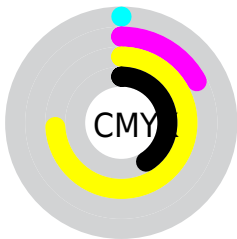
Blue (15%)



Red (28%)

Yellow (59%)

Blue (15%)

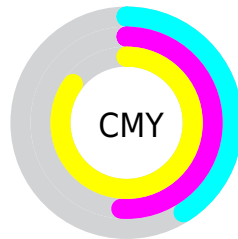


Cyan (0%)

Magenta (17%)

Yellow (74%)

Black (41%)



Cyan (41%)


Magenta (51%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2977, 0.4357, 0.4577 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 21.2977, 0.4357, 0.4577 by changing the saturation by 10% instead.


 21.2977, 0.4357,
0.4577


 21.2977, 0.4357,
0.4577


258.8564, 0.3711,
0.3902


 13.3418, 0.4503,
0.4729


 45.5825, 0.4126,
0.4336

 7.6643, 0.4674,
0.4907


 62.6801, 0.4037,
0.4243


 3.8809, 0.4880,
0.5120

 83.5938, 0.3961,
0.4163

 1.6072, 0.4882,
0.5118

 108.7079, 0.3896,
0.4095

 0.3624, 0.4900,
0.5100

 138.4068, 0.3840,
0.4037

 0.0000, 0.0000,
0.0000

 173.0749, 0.3791,

0.3986

213.0967, 0.3749,
0.3941

■ 21.2977, 0.4357,
0.4577

■ 21.2977, 0.4357,
0.4577

■ 20.3785, 0.4488,
0.4653

■ 22.2873, 0.4203,
0.4459

■ 19.5213, 0.4591,
0.4685

■ 23.3485, 0.4035,
0.4308

■ 19.0291, 0.4647,
0.4692

■ 24.4864, 0.3858,
0.4133

■ 25.7045, 0.3680,
0.3943

■ 27.0059, 0.3506,
0.3748

■ 28.3937, 0.3340,
0.3553

■ 29.8707, 0.3186,
0.3363

■ 31.4395, 0.3043,
0.3183

■ 33.1026, 0.2913,
0.3014

Harmonies

Analogous

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



21.2977, 0.4795, 0.3996



21.2977, 0.4357, 0.4577



21.2977, 0.3627, 0.4900

Triad

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



21.2977, 0.4357, 0.4577



21.2977, 0.1737, 0.2868



21.2977, 0.3269, 0.2328

Complementary

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



21.2977, 0.4357, 0.4577



6.2933, 0.1853, 0.1427

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.



21.2977, 0.2459, 0.2054



21.2977, 0.4357, 0.4577



21.2977, 0.1677, 0.2272

Square

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



21.2977, 0.4357, 0.4577



21.2977, 0.2123, 0.3779



21.2977, 0.1917, 0.2021



21.2977, 0.4153, 0.2794

Rectangle

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



21.2977, 0.4357, 0.4577



21.2977, 0.3078, 0.4799



21.2977, 0.1917, 0.2021



21.2977, 0.2977, 0.2212

Sweetspot

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



21.2987, 0.4357, 0.4577



48.0512, 0.3479, 0.3717



8.3122, 0.5018, 0.2927



10.5221, 0.3520, 0.3764



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.2987, 0.4357, 0.4577



34.9434, 0.4561, 0.4679



25.9715, 0.3741, 0.5096



6.5257, 0.3265, 0.3461



15.8370, 0.4643, 0.4695



0.2374, 0.4397, 0.4891

Inverse Universe

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



6.2933, 0.1853, 0.1427



7.2923, 0.1649, 0.1032



4.9014, 0.2018, 0.1143



5.8320, 0.2989, 0.3114



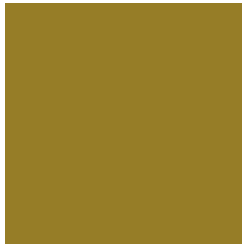
2.8047, 0.1576, 0.0875



0.0722, 0.1773, 0.1584

Previews

White Background



This preview shows how the Yxy color 21.2977, 0.4357, 0.4577 looks on a white background.

Color Contrast Check

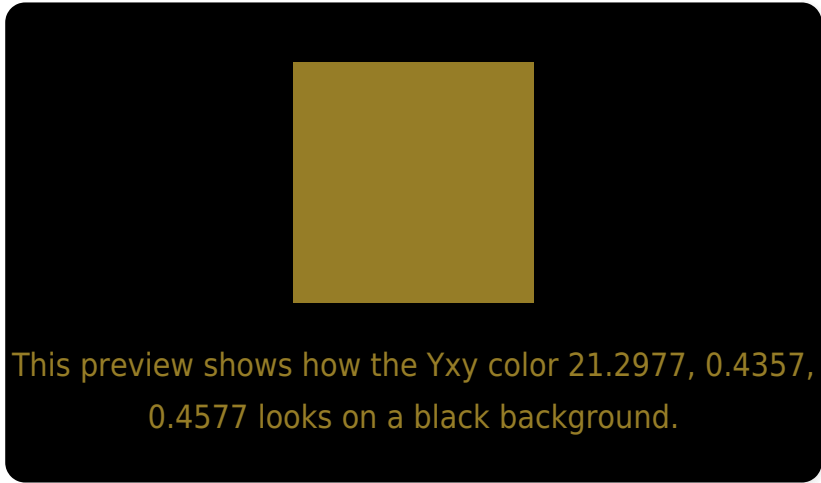
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2977, 0.4357, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 21.2977, 0.4357, 0.4577.



This preview shows how white text looks on a background with the Yxy color 21.2977, 0.4357, 0.4577.

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

21.2977, 0.4357, 0.4577

Protanopia

21.4312, 0.4226, 0.4661

Deuteranopia

21.3015, 0.4525, 0.4438



Tritanopia

21.2969, 0.3520, 0.3144

Trichromacy



Original Color

21.2977, 0.4357, 0.4577

Protanomaly

21.4429, 0.4276, 0.4624

Deuteranomaly

21.1402, 0.4463, 0.4482

Tritanomaly

21.1111, 0.3893, 0.3725

Monochromacy



Original Color

21.2977, 0.4357, 0.4577

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1746, 0.3617, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2977, 0.4357, 0.4577 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(150, 125, 39)` looks like.

```
.text, #text, p{  
    color:rgb(150, 125, 39)  
}
```

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(150, 125, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 125, 39) }
```

Border

The CSS property to change the border of an element to Yxy 21.2977, 0.4357, 0.4577 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(150, 125, 39) }
```

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

```
.border{ border-color:rgb(150, 125, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 125, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 125, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 125, 39);  
box-shadow:4px 4px 4px 4px rgb(150, 125,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2977, 0.4357, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 125, 39) }
```

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

```
.background{ background-color: rgb(150,  
125, 39) }
```

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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