

Converting Colors

$Y_{xy}(21.9728, 0.3530, 0.5579)$

Have a look what the booklet for
Yxy(21.9728, 0.3530, 0.5579)
contains.

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Color

Yxy(21.9728, 0.3530, 0.5579)

Conversions

Conversions Part 1

Format	Color
Hex	579000
RGB	87, 144, 0
RGB Percent	34%, 56%, 0%
CMY	0.6589, 0.4353, 0.9999
CMYK	0.40, 0.00, 1.00, 0.44
HSL	84°, 100%, 28%
HSV	84°, 100%, 56%
XYZ	13.9028, 21.9728, 3.5092
YIQ	110.5410, 12.2520, -56.8680

Conversions

Conversions Part 2

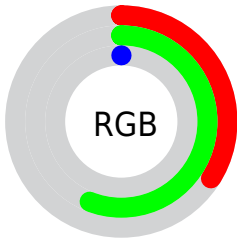
Format	Color
RYB	0, 144, 57
Decimal	5738496
CIELab	54.00, -38.27, 57.04
CIELCh	54, 68.688, 123.859
Yxy	21.9728, 0.3530, 0.5579
Android (android.graphics.Color)	4283928576 (0xFF579000)
YUV	110.5410, -54.4967, -20.6455
Hunter-Lab	46.8752, -29.0896, 28.3740

Details

The Yxy color **21.9728, 0.3530, 0.5579** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8862, 0.1858, 0.0797**, and the grayscale version is **15.9153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5686, 0.3528, 0.5067**, and **8.1200, 0.3216, 0.5829** is the 20% darker color. If you saturate the color by 10%, you get **21.9730, 0.3530, 0.5579**, and if you desaturate by 10%, it is **22.2920, 0.3564, 0.5464**.

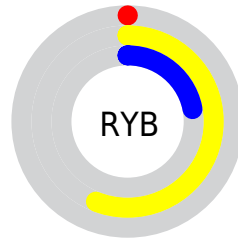
Distribution



Red (34%)

Green (56%)

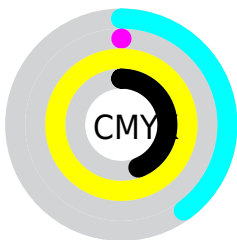
Blue (0%)



Red (0%)

Yellow (56%)

Blue (22%)

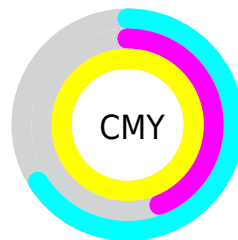


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (66%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9728, 0.3530, 0.5579 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 21.9728, 0.3530, 0.5579 by changing the saturation by 10% instead.


 21.9728, 0.3530,
0.5579


 21.9728, 0.3530,
0.5579


262.4042, 0.3416,
0.4266


 13.8369, 0.3486,
0.5931


 46.7010, 0.3531,
0.5073


 8.0073, 0.3428,
0.6483


 64.0622, 0.3516,
0.4889

 4.0996, 0.3092,
0.6908

 85.2672, 0.3498,
0.4738

 1.7295, 0.2375,
0.7625

 110.7005, 0.3480,
0.4612

 0.4426, 0.0000,
1.0000


 140.7464, 0.3463,
0.4505

 0.0000, 0.0000,
0.0000


 175.7894, 0.3446,


0.4413


 216.2139, 0.3431,
0.4334


 21.9728, 0.3530,
0.5579


 21.9728, 0.3530,
0.5579

 21.9730, 0.3530,
0.5579

 22.2920, 0.3564,
0.5464

 22.6546, 0.3581,
0.5312

 23.0731, 0.3576,
0.5114

 23.5521, 0.3549,
0.4878

 24.0956, 0.3502,
0.4616

■ 24.7071, 0.3440,
0.4340

■ 25.3898, 0.3368,
0.4062

■ 26.1467, 0.3290,
0.3790

■ 26.9806, 0.3208,
0.3531

Harmonies

Analogous

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



21.9728, 0.4548, 0.5012



21.9728, 0.3530, 0.5579



21.9728, 0.2472, 0.5163

Triad

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



21.9728, 0.3530, 0.5579



21.9728, 0.1271, 0.1836



21.9728, 0.4715, 0.2685

Complementary

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



21.9728, 0.3530, 0.5579



2.8862, 0.1858, 0.0797

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.



21.9728, 0.3466, 0.2087



21.9728, 0.3530, 0.5579



21.9728, 0.1607, 0.1615

Square

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



21.9728, 0.3530, 0.5579



21.9728, 0.1269, 0.2503



21.9728, 0.2330, 0.1713



21.9728, 0.5426, 0.3396

Rectangle

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



21.9728, 0.3530, 0.5579



21.9728, 0.1879, 0.4270



21.9728, 0.2330, 0.1713



21.9728, 0.4325, 0.2467

Sweetspot

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



21.9738, 0.3530, 0.5579



44.6968, 0.3373, 0.4080



8.6837, 0.5709, 0.3849



10.1429, 0.3401, 0.4185



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9738, 0.3530, 0.5579



38.6536, 0.3517, 0.5589



20.0659, 0.3036, 0.5971



6.1803, 0.3202, 0.3511



19.1468, 0.3533, 0.5576



0.1959, 0.3837, 0.5335

Inverse Universe

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



2.8862, 0.1858, 0.0797



4.9966, 0.1838, 0.0786



6.5427, 0.2922, 0.1384



5.3527, 0.3048, 0.3067



2.5248, 0.1863, 0.0800



0.0363, 0.2358, 0.1072

Previews

White Background



This preview shows how the Yxy color 21.9728, 0.3530, 0.5579 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 21.9728, 0.3530, 0.5579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

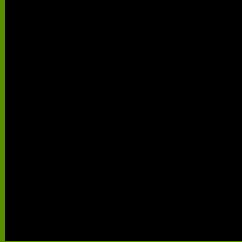
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9728, 0.3530, 0.5579

Background



This preview shows how black text looks on a background with the Yxy color 21.9728, 0.3530, 0.5579.



This preview shows how white text looks on a background with the Yxy color 21.9728, 0.3530, 0.5579.

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

21.9728, 0.3530, 0.5579

Protanopia

21.7203, 0.4397, 0.4891

Deuteranopia

21.6843, 0.4610, 0.4529



Tritanopia

21.9781, 0.2700, 0.3086

Trichromacy



Original Color

21.9728, 0.3530, 0.5579

Protanomaly

21.3353, 0.4067, 0.5153

Deuteranomaly

21.1598, 0.4211, 0.4927

Tritanomaly

21.4911, 0.3135, 0.4224

Monochromacy



Original Color

21.9728, 0.3530, 0.5579

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.4456, 0.3446, 0.4389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9728, 0.3530, 0.5579 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(87, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 144, 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(87, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9728, 0.3530, 0.5579 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(87, 144, 0) }
```

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

```
.border{ border-color:rgb(87, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 144, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.9728, 0.3530, 0.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 0) }
```

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

```
.background{ background-color: rgb(87, 144,  
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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