

Converting Colors

$Y_{xy}(22.3699, 0.3069, 0.5709)$

Have a look what the booklet for
Yxy(22.3699, 0.3069, 0.5709)
contains.

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Color

Yxy(22.3679, 0.3071, 0.5709)

Conversions

Conversions Part 1

Format	Color
Hex	29961C
RGB	41, 150, 28
RGB Percent	16%, 59%, 11%
CMY	0.8389, 0.4118, 0.8903
CMYK	0.73, 0.00, 0.81, 0.41
HSL	114°, 69%, 35%
HSV	114°, 81%, 59%
XYZ	12.0322, 22.3679, 4.7800
YIQ	103.5010, -25.8020, -61.0500

Conversions

Conversions Part 2

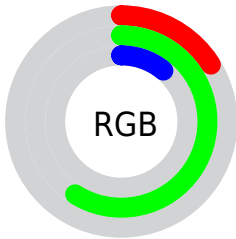
Format	Color
R_{YB}	28, 150, 137
Decimal	2725404
CIE _{Lab}	54.42, -52.46, 50.85
CIE _{LCh}	54, 73.059, 135.890
Yxy	22.3679, 0.3071, 0.5709
Android (android.graphics.Color)	4280915484 (0xFF29961C)
YUV	103.5010, -37.2220, -54.8134
Hunter-Lab	47.2947, -37.3538, 27.1140

Details

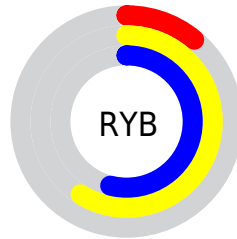
The Yxy color **22.3679, 0.3071, 0.5709** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.3414, 0.2994, 0.1540**, and the grayscale version is **13.8144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2302, 0.3160, 0.5128**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.0836, 0.3047, 0.5878**, and if you desaturate by 10%, it is **22.7836, 0.3093, 0.5467**.

Distribution



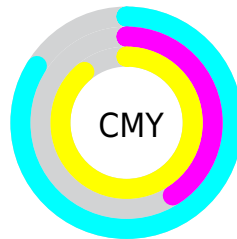
- Red (16%)
- Green (59%)
- Blue (11%)



- Red (11%)
- Yellow (59%)
- Blue (54%)



- Cyan (73%)
- Magenta (0%)
- Yellow (81%)
- Black (41%)



- Cyan (84%)
- Magenta (41%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3679, 0.3071, 0.5709 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 22.3679, 0.3071, 0.5709 by changing the saturation by 10% instead.


 22.3679, 0.3071,
0.5709


 22.3679, 0.3071,
0.5709


264.4616, 0.3203,
0.4270


 14.1275, 0.2969,
0.6135


 47.3533, 0.3161,
0.5131

 8.2094, 0.2790,
0.6724


 64.8671, 0.3180,
0.4929


 4.2292, 0.2450,
0.7550

 86.2408, 0.3191,
0.4766

 1.8026, 0.1159,
0.8841

 111.8587, 0.3198,
0.4631

 0.4888, 0.0000,
1.0000

 142.1054, 0.3201,
0.4519

 0.0000, 0.0000,
0.0000

 177.3652, 0.3203,

0.4423

218.0224, 0.3203,
0.4341

■ 22.3679, 0.3071,
0.5709

■ 22.3679, 0.3071,
0.5709

■ 22.0836, 0.3047,
0.5878

■ 22.7836, 0.3093,
0.5467

■ 21.9233, 0.3031,
0.5975

■ 23.3411, 0.3110,
0.5170

■ 24.0529, 0.3123,
0.4840

■ 24.9296, 0.3131,
0.4500

■ 25.9805, 0.3135,
0.4168

■ 27.2143, 0.3135,
0.3857

■ 28.6394, 0.3132,
0.3574

■ 30.2633, 0.3128,
0.3322

■ 32.0932, 0.3122,
0.3099

Harmonies

Analogous

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



22.3679, 0.4174, 0.5388



22.3679, 0.3071, 0.5709



22.3679, 0.2034, 0.4751

Triad

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



22.3679, 0.3071, 0.5709



22.3679, 0.1296, 0.1635



22.3679, 0.5206, 0.2933

Complementary

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



22.3679, 0.3071, 0.5709



8.3414, 0.2994, 0.1540

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.



22.3679, 0.4030, 0.2260



22.3679, 0.3071, 0.5709



22.3679, 0.1789, 0.1554

Square

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



22.3679, 0.3071, 0.5709



22.3679, 0.1155, 0.2107



22.3679, 0.2717, 0.1772



22.3679, 0.5578, 0.3687

Rectangle

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



22.3679, 0.3071, 0.5709



22.3679, 0.1537, 0.3675



22.3679, 0.2717, 0.1772



22.3679, 0.4879, 0.2696

Sweetspot

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



22.3688, 0.3071, 0.5709



47.3127, 0.3135, 0.3952



24.1091, 0.4287, 0.4795



10.3287, 0.3135, 0.4052



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.



22.3688, 0.3071, 0.5709



38.7005, 0.3028, 0.5963



22.5633, 0.2779, 0.4958



6.4965, 0.3132, 0.3517



18.1907, 0.3034, 0.5973



0.2285, 0.3186, 0.5852

Inverse Universe

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



8.3414, 0.2994, 0.1540



12.9019, 0.2945, 0.1403



8.2970, 0.4129, 0.2217



5.8779, 0.3121, 0.3071



6.0314, 0.2947, 0.1397



0.0811, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 22.3679, 0.3071, 0.5709 looks on a white background.

Color Contrast Check

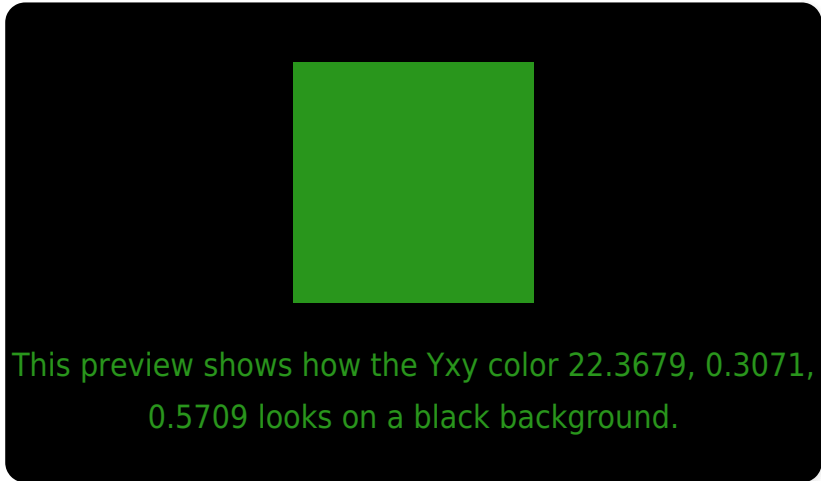
Large Text (above 18pt) WCAG AA ✓ Pass

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

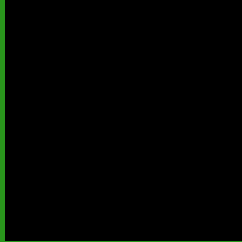
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3679, 0.3071, 0.5709

Background



This preview shows how black text looks on a background with the Yxy color 22.3679, 0.3071, 0.5709.



This preview shows how white text looks on a background with the Yxy color 22.3679, 0.3071, 0.5709.

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

22.3679, 0.3071, 0.5709

Protanopia

22.1381, 0.4331, 0.4796

Deuteranopia

22.0145, 0.4510, 0.4432



Tritanopia

22.4070, 0.2433, 0.3078

Trichromacy



Original Color

22.3679, 0.3071, 0.5709

Protanomaly

21.1497, 0.3765, 0.5203

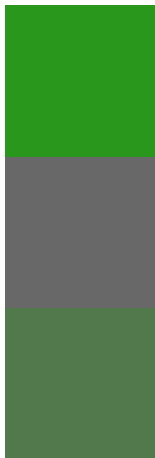
Deuteranomaly

20.7602, 0.3869, 0.4960

Tritanomaly

21.9792, 0.2705, 0.4101

Monochromacy



Original Color

22.3679, 0.3071, 0.5709

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.9459, 0.3136, 0.4334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3679, 0.3071, 0.5709 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(41, 150, 28)` looks like.

```
.text, #text, p{  
    color:rgb(41, 150, 28)  
}
```

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(41, 150, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 150, 28) }
```

Border

The CSS property to change the border of an element to Yxy 22.3679, 0.3071, 0.5709 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(41, 150, 28) }
```

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

```
.border{ border-color:rgb(41, 150, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 150, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 150, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 150, 28);  
box-shadow:4px 4px 4px 4px rgb(41, 150,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3679, 0.3071, 0.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 150, 28) }
```

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

```
.background{ background-color: rgb(41, 150,  
28) }
```

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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