

Converting Colors

$Y_{xy}(22.4721, 0.3022, 0.5531)$

Have a look what the booklet for
Yxy(22.4721, 0.3022, 0.5531)
contains.

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Color

Yxy(22.4721, 0.3022, 0.5531)

Conversions

Conversions Part 1

Format	Color
Hex	2A962A
RGB	42, 150, 42
RGB Percent	16%, 59%, 16%
CMY	0.8354, 0.4117, 0.8354
CMYK	0.72, 0.00, 0.72, 0.41
HSL	120°, 56%, 38%
HSV	120°, 72%, 59%
XYZ	12.2782, 22.4721, 5.8791
YIQ	105.3960, -29.7000, -56.4840

Conversions

Conversions Part 2

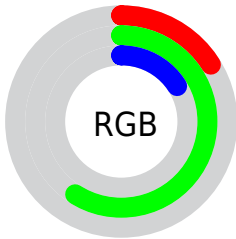
Format	Color
R_{YB}	42, 150, 150
Decimal	2790954
CIE Lab	54.52, -51.23, 46.00
CIE LCh	55, 68.851, 138.077
Yxy	22.4721, 0.3022, 0.5531
Android (android.graphics.Color)	4280981034 (0xFF2A962A)
YUV	105.3960, -31.2542, -55.5983
Hunter-Lab	47.4047, -36.7254, 25.8303

Details

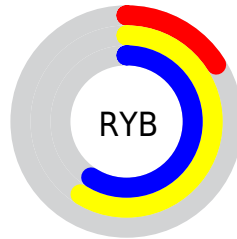
The Yxy color **22.4721, 0.3022, 0.5531** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.3409, 0.3200, 0.1750**, and the grayscale version is **14.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4139, 0.3106, 0.4983**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.1260, 0.3011, 0.5765**, and if you desaturate by 10%, it is **22.9787, 0.3036, 0.5233**.

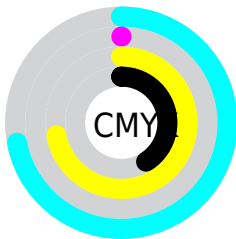
Distribution



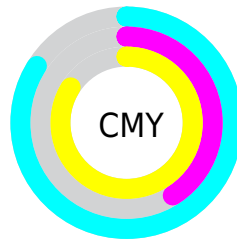
- Red (16%)
- Green (59%)
- Blue (16%)



- Red (16%)
- Yellow (59%)
- Blue (59%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (41%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4721, 0.3022, 0.5531 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 22.4721, 0.3022, 0.5531 by changing the saturation by 10% instead.


 22.4721, 0.3022,
0.5531


 22.4721, 0.3022,
0.5531


265.0019, 0.3163,
0.4192


 14.2042, 0.2930,
0.5939


 47.5250, 0.3108,
0.4987


 8.2628, 0.2761,
0.6495

 65.0789, 0.3128,
0.4800


 4.2636, 0.2512,
0.7488

 86.4968, 0.3141,
0.4649

 1.8221, 0.1323,
0.8677

 112.1633, 0.3150,
0.4525

 0.5009, 0.0000,
1.0000

 142.4626, 0.3155,
0.4421

 0.0000, 0.0000,
0.0000

 177.7792, 0.3159,

0.4333

218.4975, 0.3161,
0.4257

■ 22.4721, 0.3022,
0.5531

■ 22.4721, 0.3022,
0.5531

■ 22.1260, 0.3011,
0.5765

■ 22.9787, 0.3036,
0.5233

■ 21.9187, 0.3004,
0.5918

■ 23.6588, 0.3052,
0.4896

■ 21.8142, 0.3000,
0.6000

■ 24.5273, 0.3068,
0.4546

■ 25.5968, 0.3084,
0.4203

■ 26.8788, 0.3099,
0.3884

■ 28.3838, 0.3113,
0.3594

■ 30.1217, 0.3125,
0.3338

■ 32.1018, 0.3135,
0.3114

■ 34.3330, 0.3145,
0.2920

Harmonies

Analogous

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



22.4721, 0.4082, 0.5345



22.4721, 0.3022, 0.5531



22.4721, 0.2039, 0.4550

Triad

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



22.4721, 0.3022, 0.5531



22.4721, 0.1393, 0.1692



22.4721, 0.5145, 0.3016

Complementary

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



22.4721, 0.3022, 0.5531



10.3409, 0.3200, 0.1750

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.



22.4721, 0.4077, 0.2353



22.4721, 0.3022, 0.5531



22.4721, 0.1901, 0.1632

Square

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



22.4721, 0.3022, 0.5531



22.4721, 0.1234, 0.2124



22.4721, 0.2825, 0.1863



22.4721, 0.5450, 0.3757

Rectangle

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



22.4721, 0.3022, 0.5531



22.4721, 0.1577, 0.3554



22.4721, 0.2825, 0.1863



22.4721, 0.4854, 0.2783

Sweetspot

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



22.4730, 0.3022, 0.5531



47.3294, 0.3099, 0.3896



28.4657, 0.4066, 0.4842



10.3614, 0.3095, 0.3971



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.



22.4730, 0.3022, 0.5531



38.8092, 0.3006, 0.5863



23.1504, 0.2691, 0.4459



6.4684, 0.3116, 0.3518



18.0910, 0.3000, 0.6000



0.2214, 0.3000, 0.6000

Inverse Universe

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



10.3409, 0.3200, 0.1750



16.1186, 0.3207, 0.1600



8.9833, 0.4253, 0.2462



5.9092, 0.3137, 0.3072



7.2038, 0.3209, 0.1542



0.0882, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.4721, 0.3022, 0.5531 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 22.4721, 0.3022, 0.5531 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 22.4721, 0.3022, 0.5531

Background



This preview shows how black text looks on a background with the Yxy color 22.4721, 0.3022, 0.5531.



This preview shows how white text looks on a background with the Yxy color 22.4721, 0.3022, 0.5531.

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

22.4721, 0.3022, 0.5531

Protanopia

22.1186, 0.4247, 0.4698

Deuteranopia

21.9909, 0.4418, 0.4337



Tritanopia

22.3683, 0.2427, 0.3078

Trichromacy



Original Color

22.4721, 0.3022, 0.5531



Protanomaly

21.2259, 0.3696, 0.5063



Deuteranomaly

20.8400, 0.3796, 0.4826



Tritanomaly

22.0863, 0.2667, 0.3988

Monochromacy



Original Color

22.4721, 0.3022, 0.5531



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.0778, 0.3085, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4721, 0.3022, 0.5531 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(42, 150, 42)` looks like.

```
.text, #text, p{  
    color:rgb(42, 150, 42)  
}
```

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(42, 150, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 150, 42) }
```

Border

The CSS property to change the border of an element to Yxy 22.4721, 0.3022, 0.5531 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(42, 150, 42) }
```

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

```
.border{ border-color:rgb(42, 150, 42) }
```

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

Here you see how a box with a 4 pixel rgb(42, 150, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 150, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 150, 42);  
box-shadow:4px 4px 4px 4px rgb(42, 150,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4721, 0.3022, 0.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 150, 42) }
```

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

```
.background{ background-color: rgb(42, 150,  
42) }
```

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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