

Converting Colors

$Y_{xy}(22.3468, 0.3279, 0.5238)$

Have a look what the booklet for
Yxy(22.3468, 0.3279, 0.5238)
contains.

Yxy(22.4334, 0.3275, 0.5235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4334, 0.3275, 0.5235)

Conversions

Conversions Part 1

Format	Color
Hex	4F9230
RGB	79, 146, 48
RGB Percent	31%, 57%, 19%
CMY	0.6903, 0.4274, 0.8118
CMYK	0.46, 0.00, 0.67, 0.43
HSL	101°, 51%, 38%
HSV	101°, 67%, 57%
XYZ	14.0343, 22.4334, 6.3851
YIQ	114.7950, -8.4740, -44.6820

Conversions

Conversions Part 2

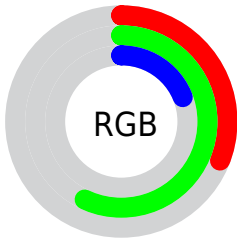
Format	Color
R_{YB}	48, 146, 115
Decimal	5214768
CIE _{Lab}	54.48, -39.54, 43.82
CIE _{LCh}	54, 59.021, 132.057
Yxy	22.4334, 0.3275, 0.5235
Android (android.graphics.Color)	4283404848 (0xFF4F9230)
YUV	114.7950, -32.9299, -31.3922
Hunter-Lab	47.3639, -29.9960, 25.1619

Details

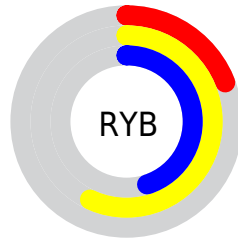
The Yxy color **22.4334, 0.3275, 0.5235** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.8356, 0.2709, 0.1594**, and the grayscale version is **17.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6607, 0.3289, 0.4778**, and **8.3331, 0.3109, 0.5914** is the 20% darker color. If you saturate the color by 10%, you get **21.9367, 0.3256, 0.5489**, and if you desaturate by 10%, it is **23.0360, 0.3279, 0.4943**.

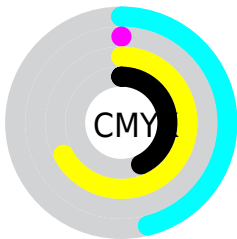
Distribution



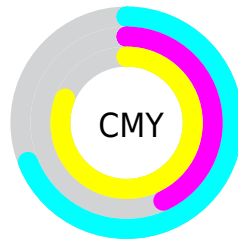
- Red (31%)
- Green (57%)
- Blue (19%)



- Red (19%)
- Yellow (57%)
- Blue (45%)



- Cyan (46%)
- Magenta (0%)
- Yellow (67%)
- Black (43%)




- Cyan (69%)
- Magenta (43%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4334, 0.3275, 0.5235 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 22.4334, 0.3275, 0.5235 by changing the saturation by 10% instead.


 22.4334, 0.3275,
0.5235


 22.4334, 0.3275,
0.5235


264.8013, 0.3257,
0.4089


 14.1757, 0.3237,
0.5579


 47.4613, 0.3293,
0.4774

 8.2430, 0.3149,
0.6046


 65.0002, 0.3291,
0.4614


 4.2508, 0.3054,
0.6946

 86.4018, 0.3287,
0.4485

 1.8148, 0.2354,
0.7646

 112.0502, 0.3281,
0.4378

 0.4964, 0.0000,
1.0000

 142.3300, 0.3275,
0.4288

 0.0000, 0.0000,
0.0000

 177.6255, 0.3269,

0.4211

218.3212, 0.3263,
0.4146

■ 22.4334, 0.3275,
0.5235

■ 22.4334, 0.3275,
0.5235

■ 21.9367, 0.3256,
0.5489

■ 23.0360, 0.3279,
0.4943

■ 21.5361, 0.3222,
0.5689

■ 23.7480, 0.3270,
0.4632

■ 21.2226, 0.3179,
0.5831

■ 24.5758, 0.3250,
0.4317

■ 21.1445, 0.3167,
0.5867

■ 25.5248, 0.3222,
0.4013

■ 26.5998, 0.3189,
0.3726

■ 27.8054, 0.3154,
0.3463

■ 29.1461, 0.3117,
0.3224

■ 30.6260, 0.3080,
0.3011

■ 32.2490, 0.3044,
0.2822

Harmonies

Analogous

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



22.4334, 0.4203, 0.5008



22.4334, 0.3275, 0.5235



22.4334, 0.2357, 0.4578

Triad

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



22.4334, 0.3275, 0.5235



22.4334, 0.1521, 0.1926



22.4334, 0.4722, 0.2948

Complementary

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



22.4334, 0.3275, 0.5235



7.8356, 0.2709, 0.1594

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.



22.4334, 0.3733, 0.2361



22.4334, 0.3275, 0.5235



22.4334, 0.1924, 0.1797

Square

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



22.4334, 0.3275, 0.5235



22.4334, 0.1442, 0.2421



22.4334, 0.2682, 0.1955



22.4334, 0.5162, 0.3625

Rectangle

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



22.4334, 0.3275, 0.5235



22.4334, 0.1881, 0.3782



22.4334, 0.2682, 0.1955



22.4334, 0.4433, 0.2739

Sweetspot

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



22.4344, 0.3275, 0.5235



46.2738, 0.3201, 0.3817



18.5794, 0.4357, 0.4372



10.1882, 0.3209, 0.3889



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.



22.4344, 0.3275, 0.5235



38.2846, 0.3239, 0.5607



21.5813, 0.2922, 0.5052



6.5521, 0.3161, 0.3515



18.6158, 0.3170, 0.5865



0.2422, 0.3496, 0.5606

Inverse Universe

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



7.8356, 0.2709, 0.1594



10.5242, 0.2579, 0.1314



9.7842, 0.3500, 0.2037



5.8182, 0.3090, 0.3069



4.2158, 0.2442, 0.1119



0.0674, 0.2814, 0.1324

Previews

White Background



This preview shows how the Yxy color 22.4334, 0.3275, 0.5235 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 22.4334, 0.3275, 0.5235 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 22.4334, 0.3275, 0.5235

Background



This preview shows how black text looks on a background with the Yxy color 22.4334, 0.3275, 0.5235.



This preview shows how white text looks on a background with the Yxy color 22.4334, 0.3275, 0.5235.

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

22.4334, 0.3275, 0.5235

Protanopia

22.1669, 0.4201, 0.4629

Deuteranopia

22.0285, 0.4382, 0.4291



Tritanopia

22.2017, 0.2625, 0.3084

Trichromacy



Original Color

22.4334, 0.3275, 0.5235

Protanomaly

21.8627, 0.3829, 0.4877

Deuteranomaly

21.3149, 0.3942, 0.4638

Tritanomaly

22.0775, 0.2890, 0.3875

Monochromacy



Original Color

22.4334, 0.3275, 0.5235

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.5018, 0.3222, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4334, 0.3275, 0.5235 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(79, 146, 48)` looks like.

```
.text, #text, p{  
    color:rgb(79, 146, 48)  
}
```

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(79, 146, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 146, 48) }
```

Border

The CSS property to change the border of an element to Yxy 22.4334, 0.3275, 0.5235 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(79, 146, 48) }
```

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

```
.border{ border-color:rgb(79, 146, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 146, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 146, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 146, 48);  
box-shadow:4px 4px 4px 4px rgb(79, 146,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4334, 0.3275, 0.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 146, 48) }
```

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

```
.background{ background-color: rgb(79, 146,  
48) }
```

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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