

Converting Colors

$Y_{xy}(22.2883, 0.3320, 0.5278)$

Have a look what the booklet for
Yxy(22.2883, 0.3320, 0.5278)
contains.

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Color

$\text{Yxy}(22.1820, 0.3320, 0.5271)$

Conversions

Conversions Part 1

Format	Color
Hex	51912C
RGB	81, 145, 44
RGB Percent	32%, 57%, 17%
CMY	0.6825, 0.4313, 0.8274
CMYK	0.44, 0.00, 0.70, 0.43
HSL	98°, 53%, 37%
HSV	98°, 70%, 57%
XYZ	13.9716, 22.1820, 5.9295
YIQ	114.3500, -5.7230, -44.9790

Conversions

Conversions Part 2

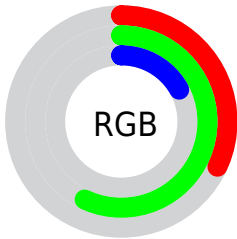
Format	Color
RYB	44, 145, 108
Decimal	5345580
CIELab	54.22, -38.79, 45.26
CIELCh	54, 59.609, 130.599
Yxy	22.1820, 0.3320, 0.5271
Android (android.graphics.Color)	4283535660 (0xFF51912C)
YUV	114.3500, -34.6825, -29.2479
Hunter-Lab	47.0978, -29.4689, 25.5040

Details

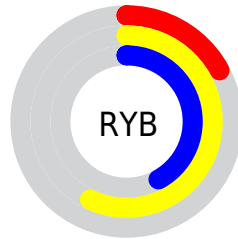
The Yxy color **22.1820, 0.3320, 0.5271** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0390, 0.2611, 0.1506**, and the grayscale version is **17.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8240, 0.3333, 0.4805**, and **8.1876, 0.3135, 0.5893** is the 20% darker color. If you saturate the color by 10%, you get **21.7133, 0.3300, 0.5507**, and if you desaturate by 10%, it is **22.7457, 0.3323, 0.4994**.

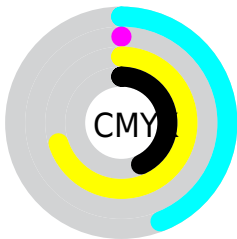
Distribution



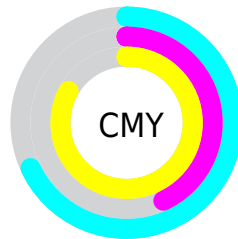
- Red (32%)
- Green (57%)
- Blue (17%)



- Red (17%)
- Yellow (57%)
- Blue (42%)



- Cyan (44%)
- Magenta (0%)
- Yellow (70%)
- Black (43%)





- Cyan (68%)
- Magenta (43%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1820, 0.3320, 0.5271 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 22.1820, 0.3320, 0.5271 by changing the saturation by 10% instead.


 22.1820, 0.3320,
0.5271


 22.1820, 0.3320,
0.5271


 263.4953, 0.3281,
0.4106

 13.9907, 0.3285,
0.5617


 47.0466, 0.3331,
0.4804


 8.1142, 0.3197,
0.6083


 64.4887, 0.3327,
0.4641


 4.1681, 0.3077,
0.6923

 85.7832, 0.3320,
0.4509

 1.7680, 0.2370,
0.7630

 111.3145, 0.3312,
0.4400

 0.4671, 0.0000,
1.0000

 141.4669, 0.3304,
0.4309

 0.0000, 0.0000,
0.0000

 176.6249, 0.3296,

0.4231

217.1729, 0.3288,
0.4164

■ 22.1820, 0.3320,
0.5271

■ 22.1820, 0.3320,
0.5271

■ 21.7133, 0.3300,
0.5507

■ 22.7457, 0.3323,
0.4994

■ 21.3305, 0.3264,
0.5689

■ 23.4072, 0.3311,
0.4693

■ 21.0215, 0.3218,
0.5823

■ 24.1727, 0.3287,
0.4384

■ 21.0114, 0.3217,
0.5828

■ 25.0468, 0.3253,
0.4081

■ 26.0339, 0.3213,
0.3793

■ 27.1383, 0.3170,
0.3526

■ 28.3637, 0.3126,
0.3282

■ 29.7141, 0.3081,
0.3062

■ 31.1928, 0.3038,
0.2866

Harmonies

Analogous

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



22.1820, 0.4253, 0.4999



22.1820, 0.3320, 0.5271



22.1820, 0.2386, 0.4651

Triad

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



22.1820, 0.3320, 0.5271



22.1820, 0.1493, 0.1925



22.1820, 0.4705, 0.2911

Complementary

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



22.1820, 0.3320, 0.5271



7.0390, 0.2611, 0.1506

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.



22.1820, 0.3685, 0.2326



22.1820, 0.3320, 0.5271



22.1820, 0.1883, 0.1781

Square

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



22.1820, 0.3320, 0.5271



22.1820, 0.1429, 0.2444



22.1820, 0.2631, 0.1927



22.1820, 0.5183, 0.3590

Rectangle

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



22.1820, 0.3320, 0.5271



22.1820, 0.1895, 0.3849



22.1820, 0.2631, 0.1927



22.1820, 0.4403, 0.2701

Sweetspot

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



22.1830, 0.3320, 0.5271



46.2855, 0.3221, 0.3844



16.9229, 0.4469, 0.4323



10.1988, 0.3231, 0.3913



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.



22.1830, 0.3320, 0.5271



38.4448, 0.3280, 0.5626



21.0892, 0.2951, 0.5222



6.1194, 0.3168, 0.3514



18.0340, 0.3221, 0.5824



0.1841, 0.3562, 0.5554

Inverse Universe

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



7.0390, 0.2611, 0.1506



9.4011, 0.2455, 0.1219



9.4766, 0.3425, 0.1942



5.4137, 0.3083, 0.3069



3.7178, 0.2330, 0.1057



0.0481, 0.2742, 0.1284

Previews

White Background



This preview shows how the Yxy color 22.1820, 0.3320, 0.5271 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 22.1820, 0.3320, 0.5271 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 22.1820, 0.3320, 0.5271

Background



This preview shows how black text looks on a background with the Yxy color 22.1820, 0.3320, 0.5271.



This preview shows how white text looks on a background with the Yxy color 22.1820, 0.3320, 0.5271.

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

22.1820, 0.3320, 0.5271

Protanopia

21.8735, 0.4239, 0.4658

Deuteranopia

21.8874, 0.4406, 0.4344



Tritanopia

21.9447, 0.2639, 0.3084

Trichromacy



Original Color

22.1820, 0.3320, 0.5271

Protanomaly

21.6256, 0.3876, 0.4905

Deuteranomaly

21.2796, 0.3974, 0.4690

Tritanomaly

21.7935, 0.2916, 0.3898

Monochromacy



Original Color

22.1820, 0.3320, 0.5271

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.2133, 0.3246, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1820, 0.3320, 0.5271 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(81, 145, 44)` looks like.

```
.text, #text, p{  
    color:rgb(81, 145, 44)  
}
```

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(81, 145, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 145, 44) }
```

Border

The CSS property to change the border of an element to Yxy 22.1820, 0.3320, 0.5271 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(81, 145, 44) }
```

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

```
.border{ border-color:rgb(81, 145, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 145, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 145, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 145, 44);  
box-shadow:4px 4px 4px 4px rgb(81, 145,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1820, 0.3320, 0.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 145, 44) }
```

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

```
.background{ background-color: rgb(81, 145,  
44) }
```

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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