

Converting Colors

$Y_{xy}(22.2600, 0.3620, 0.5260)$

Have a look what the booklet for
Yxy(22.2600, 0.3620, 0.5260)
contains.

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Color

Yxy(22.2064, 0.3620, 0.5263)

Conversions

Conversions Part 1

Format	Color
Hex	658E1E
RGB	101, 142, 30
RGB Percent	40%, 56%, 12%
CMY	0.6040, 0.4431, 0.8821
CMYK	0.29, 0.00, 0.79, 0.44
HSL	82°, 65%, 34%
HSV	82°, 79%, 56%
XYZ	15.2740, 22.2064, 4.7130
YIQ	116.9730, 11.5160, -43.5240

Conversions

Conversions Part 2

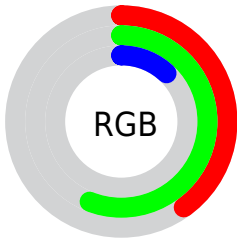
Format	Color
R_{YB}	30, 142, 71
Decimal	6655518
CIE _{Lab}	54.25, -30.94, 50.89
CIE _{LCh}	54, 59.560, 121.302
Yxy	22.2064, 0.3620, 0.5263
Android (android.graphics.Color)	4284845598 (0xFF658E1E)
YUV	116.9730, -42.8777, -14.0083
Hunter-Lab	47.1237, -24.6099, 27.0568

Details

The Yxy color **22.2064, 0.3620, 0.5263** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2267, 0.2083, 0.1107**, and the grayscale version is **17.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0885, 0.3572, 0.4825**, and **8.1105, 0.3451, 0.5642** is the 20% darker color. If you saturate the color by 10%, you get **21.8595, 0.3609, 0.5416**, and if you desaturate by 10%, it is **22.6070, 0.3607, 0.5065**.

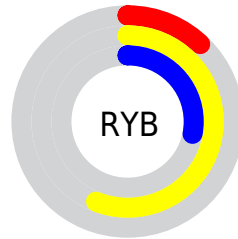
Distribution



Red (40%)

Green (56%)

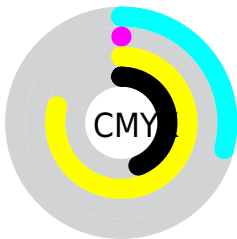
Blue (12%)



Red (12%)

Yellow (56%)

Blue (28%)

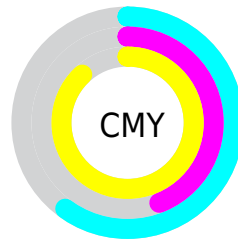


Cyan (29%)

Magenta (0%)

Yellow (79%)

Black (44%)



Cyan (60%)


Magenta (44%)


Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2064, 0.3620, 0.5263 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 22.2064, 0.3620, 0.5263 by changing the saturation by 10% instead.


 22.2064, 0.3620,
0.5263

 22.2064, 0.3620,
0.5263


 263.6223, 0.3424,
0.4133

 14.0086, 0.3621,
0.5574


 47.0869, 0.3576,
0.4824


 8.1267, 0.3587,
0.5993


 64.5384, 0.3549,
0.4666

 4.1761, 0.3452,
0.6548

 85.8433, 0.3523,
0.4537

 1.7726, 0.2955,
0.7045

 111.3860, 0.3500,
0.4429

 0.4700, 0.0000,
1.0000

 141.5508, 0.3478,
0.4338

 0.0000, 0.0000,
0.0000

 176.7222, 0.3458,

0.4259

217.2846, 0.3440,
0.4192

22.2064, 0.3620,
0.5263

22.2064, 0.3620,
0.5263

21.8595, 0.3609,
0.5416

22.6070, 0.3607,
0.5065

21.5540, 0.3580,
0.5529

23.0626, 0.3573,
0.4831

21.5198, 0.3577,
0.5542

23.5778, 0.3519,
0.4573

24.1560, 0.3451,
0.4301

24.8001, 0.3373,
0.4026

■ 25.5130, 0.3289,
0.3758

■ 26.2973, 0.3203,
0.3502

■ 27.1553, 0.3117,
0.3263

■ 28.0894, 0.3034,
0.3042

Harmonies

Analogous

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



22.2064, 0.4507, 0.4806



22.2064, 0.3620, 0.5263



22.2064, 0.2661, 0.4941

Triad

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



22.2064, 0.3620, 0.5263



22.2064, 0.1441, 0.2041



22.2064, 0.4424, 0.2716

Complementary

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



22.2064, 0.3620, 0.5263



4.2267, 0.2083, 0.1107

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.



22.2064, 0.3339, 0.2179



22.2064, 0.3620, 0.5263



22.2064, 0.1727, 0.1793

Square

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



22.2064, 0.3620, 0.5263



22.2064, 0.1478, 0.2701



22.2064, 0.2361, 0.1855



22.2064, 0.5110, 0.3374

Rectangle

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



22.2064, 0.3620, 0.5263



22.2064, 0.2105, 0.4237



22.2064, 0.2361, 0.1855



22.2064, 0.4080, 0.2519

Sweetspot

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



22.2074, 0.3620, 0.5263



44.2602, 0.3337, 0.3909



10.1307, 0.5178, 0.3876



9.7994, 0.3363, 0.3994



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.2074, 0.3620, 0.5263



38.1069, 0.3584, 0.5504



20.0419, 0.3108, 0.5625



6.1880, 0.3206, 0.3511



19.3311, 0.3579, 0.5540



0.1973, 0.3868, 0.5311

Inverse Universe

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



4.2267, 0.2083, 0.1107



5.0628, 0.1848, 0.0816



7.2604, 0.2922, 0.1533



5.3452, 0.3043, 0.3067



2.4193, 0.1817, 0.0774



0.0348, 0.2304, 0.1043

Previews

White Background



This preview shows how the Yxy color 22.2064, 0.3620, 0.5263 looks on a white background.

Color Contrast Check

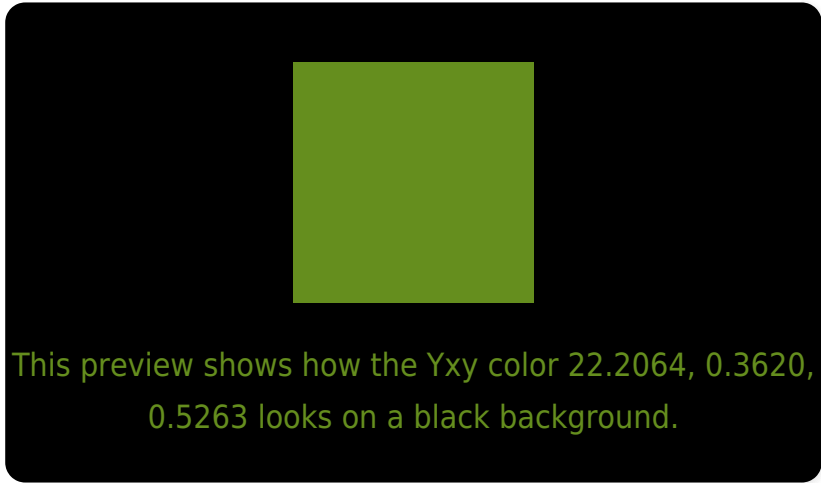
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2064, 0.3620, 0.5263

Background



This preview shows how black text looks on a background with the Yxy color 22.2064, 0.3620, 0.5263.



This preview shows how white text looks on a background with the Yxy color 22.2064, 0.3620, 0.5263.

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

22.2064, 0.3620, 0.5263

Protanopia

22.0641, 0.4301, 0.4779

Deuteranopia

21.9938, 0.4531, 0.4459



Tritanopia

22.0631, 0.2822, 0.3090

Trichromacy



Original Color

22.2064, 0.3620, 0.5263

Protanomaly

21.8012, 0.4047, 0.4960

Deuteranomaly

21.6681, 0.4190, 0.4749

Tritanomaly

21.8188, 0.3173, 0.3954

Monochromacy



Original Color

22.2064, 0.3620, 0.5263

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.9571, 0.3400, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2064, 0.3620, 0.5263 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(101, 142, 30)` looks like.

```
.text, #text, p{  
    color:rgb(101, 142, 30)  
}
```

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(101, 142, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 142, 30) }
```

Border

The CSS property to change the border of an element to Yxy 22.2064, 0.3620, 0.5263 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(101, 142, 30) }
```

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

```
.border{ border-color:rgb(101, 142, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 142, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 142, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 142, 30);  
box-shadow:4px 4px 4px 4px rgb(101, 142,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2064, 0.3620, 0.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 142, 30) }
```

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

```
.background{ background-color: rgb(101,  
142, 30) }
```

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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