

Converting Colors

$Y_{xy}(22.8910, 0.3295, 0.4232)$

Have a look what the booklet for
 $\text{Yxy}(22.8910, 0.3295, 0.4232)$
contains.

$\text{Yxy}(22.8910, 0.3295, 0.4232)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(22.8910, 0.3295, 0.4232)$

Conversions

Conversions Part 1

Format	Color
Hex	6F8C5B
RGB	111, 140, 91
RGB Percent	44%, 55%, 36%
CMY	0.5647, 0.4510, 0.6431
CMYK	0.21, 0.00, 0.35, 0.45
HSL	96°, 21%, 45%
HSV	96°, 35%, 55%
XYZ	17.8227, 22.8910, 13.3765
YIQ	125.7430, -1.5550, -21.3870

Conversions

Conversions Part 2

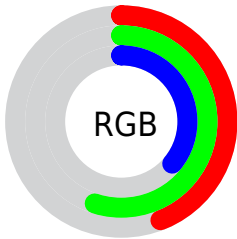
Format	Color
R_{YB}	91, 140, 120
Decimal	7310427
CIE _{Lab}	54.96, -19.68, 22.92
CIE _{LCh}	55, 30.207, 130.643
Yxy	22.8910, 0.3295, 0.4232
Android (android.graphics.Color)	4285500507 (0xFF6F8C5B)
YUV	125.7430, -17.1283, -12.9296
Hunter-Lab	47.8445, -17.2343, 16.9147

Details

The Yxy color $22.8910, 0.3295, 0.4232$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.3685, 0.2890, 0.2382$, and the grayscale version is $20.8328, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.3231, 0.3261, 0.4012$, and $8.5183, 0.3328, 0.4649$ is the 20% darker color. If you saturate the color by 10%, you get $22.1597, 0.3331, 0.4533$, and if you desaturate by 10%, it is $23.7192, 0.3251, 0.3940$.

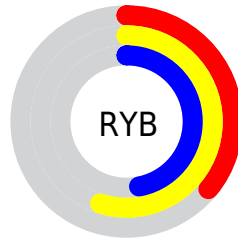
Distribution



Red (44%)

Green (55%)

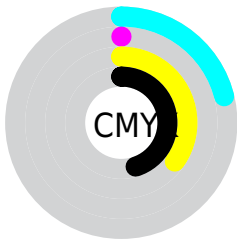
Blue (36%)



Red (36%)

Yellow (55%)

Blue (47%)

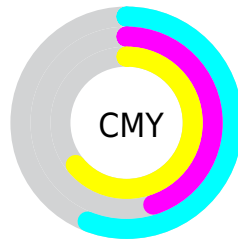


Cyan (21%)

Magenta (0%)

Yellow (35%)

Black (45%)



Cyan (56%)


Magenta (45%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8910, 0.3295, 0.4232 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 22.8910, 0.3295, 0.4232 by changing the saturation by 10% instead.


 22.8910, 0.3295,
0.4232


 22.8910, 0.3295,
0.4232


267.1647, 0.3214,
0.3687


 14.5130, 0.3311,
0.4399


 48.2143, 0.3268,
0.4012


 8.4784, 0.3325,
0.4636

 65.9284, 0.3257,
0.3937

 4.4025, 0.3330,
0.4994

 87.5234, 0.3247,
0.3875

 1.9012, 0.3476,
0.5901

 113.3836, 0.3239,
0.3825

 0.5491, 0.0704,
0.9296

143.8934, 0.3232,
0.3782

 0.0000, 0.0000,
0.0000

179.4373, 0.3225,

0.3745

220.3996, 0.3219,
0.3714

■ 22.8910, 0.3295,
0.4232

■ 22.8910, 0.3295,
0.4232

■ 22.1597, 0.3331,
0.4533

■ 23.7192, 0.3251,
0.3940

■ 21.5185, 0.3355,
0.4833

■ 24.6449, 0.3203,
0.3664

■ 20.9643, 0.3364,
0.5116

■ 25.6726, 0.3153,
0.3409

■ 20.4923, 0.3356,
0.5368


■ 26.8054, 0.3102,
0.3177

■ 20.0976, 0.3330,
0.5573


■ 28.0465, 0.3052,
0.2968


 19.7738, 0.3288,
0.5723

 29.3988, 0.3004,
0.2781

 19.6313, 0.3266,
0.5789

 30.8651, 0.2958,
0.2615

 32.4482, 0.2916,
0.2467

 34.1507, 0.2876,
0.2336

Harmonies

Analogous

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



22.8910, 0.3791, 0.4215



22.8910, 0.3295, 0.4232



22.8910, 0.2778, 0.3919

Triad

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



22.8910, 0.3295, 0.4232



22.8910, 0.2205, 0.2564



22.8910, 0.3920, 0.3124

Complementary

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



22.8910, 0.3295, 0.4232



13.3685, 0.2890, 0.2382

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.



22.8910, 0.3430, 0.2762



22.8910, 0.3295, 0.4232



22.8910, 0.2452, 0.2443

Square

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



22.8910, 0.3295, 0.4232



22.8910, 0.2177, 0.2894



22.8910, 0.2888, 0.2520



22.8910, 0.4180, 0.3541

Rectangle

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



22.8910, 0.3295, 0.4232



22.8910, 0.2491, 0.3580



22.8910, 0.2888, 0.2520



22.8910, 0.3774, 0.2993

Sweetspot

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



22.8920, 0.3295, 0.4232



44.2942, 0.3179, 0.3539



19.6642, 0.3746, 0.3803



10.1551, 0.3185, 0.3571



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.



22.8920, 0.3295, 0.4232



39.3273, 0.3324, 0.4469



21.8085, 0.3043, 0.4210



5.7014, 0.3174, 0.3512



17.4540, 0.3269, 0.5786



0.1241, 0.3615, 0.5512

Inverse Universe

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



13.3685, 0.2890, 0.2382



19.9274, 0.2820, 0.2163



14.8332, 0.3222, 0.2516



5.0289, 0.3077, 0.3070



3.3215, 0.2238, 0.1006



0.0306, 0.2679, 0.1250

Previews

White Background



This preview shows how the Yxy color 22.8910, 0.3295, 0.4232 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 22.8910, 0.3295, 0.4232 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 22.8910, 0.3295, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 22.8910, 0.3295, 0.4232.



This preview shows how white text looks on a background with the Yxy color 22.8910, 0.3295, 0.4232.

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

22.8910, 0.3295, 0.4232

Protanopia

22.6715, 0.3752, 0.4052

Deuteranopia

22.7978, 0.3881, 0.3815



Tritanopia

22.7106, 0.2865, 0.3094

Trichromacy



Original Color

22.8910, 0.3295, 0.4232

Protanomaly

22.5801, 0.3586, 0.4122

Deuteranomaly

22.5984, 0.3660, 0.3956

Tritanomaly

22.8020, 0.3019, 0.3493

Monochromacy



Original Color

22.8910, 0.3295, 0.4232

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4898, 0.3204, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8910, 0.3295, 0.4232 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(111, 140, 91)` looks like.

```
.text, #text, p{  
    color:rgb(111, 140, 91)  
}
```

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(111, 140, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 140, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.8910, 0.3295, 0.4232 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(111, 140, 91) }
```

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

```
.border{ border-color:rgb(111, 140, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 140, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 140, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 140, 91);  
box-shadow:4px 4px 4px 4px rgb(111, 140,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8910, 0.3295, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 140, 91) }
```

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

```
.background{ background-color: rgb(111,  
140, 91) }
```

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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