

Converting Colors

$Y_{xy}(20.9224, 0.3337, 0.5270)$

Have a look what the booklet for
Yxy(20.9224, 0.3337, 0.5270)
contains.

Yxy(20.9224, 0.3337, 0.5270)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.9224, 0.3337, 0.5270)$

Conversions

Conversions Part 1

Format	Color
Hex	508D2A
RGB	80, 141, 42
RGB Percent	31%, 55%, 16%
CMY	0.6865, 0.4470, 0.8353
CMYK	0.43, 0.00, 0.70, 0.45
HSL	97°, 54%, 36%
HSV	97°, 70%, 55%
XYZ	13.2482, 20.9224, 5.5303
YIQ	111.4750, -4.5770, -43.7210

Conversions

Conversions Part 2

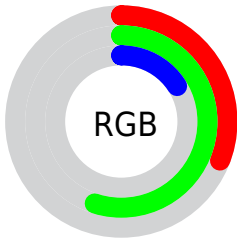
Format	Color
R_{YB}	42, 141, 103
Decimal	5279018
CIE _{Lab}	52.86, -37.59, 44.66
CIE _{LCh}	53, 58.374, 130.081
Yxy	20.9224, 0.3337, 0.5270
Android (android.graphics.Color)	4283469098 (0xFF508D2A)
YUV	111.4750, -34.2512, -27.6036
Hunter-Lab	45.7410, -28.3469, 24.8502

Details

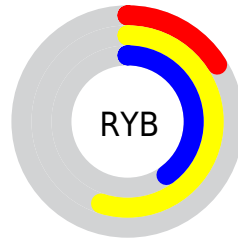
The Yxy color **20.9224, 0.3337, 0.5270** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.4661, 0.2579, 0.1484**, and the grayscale version is **16.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8889, 0.3347, 0.4797**, and **7.4945, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **20.4854, 0.3318, 0.5502**, and if you desaturate by 10%, it is **21.4457, 0.3339, 0.4997**.

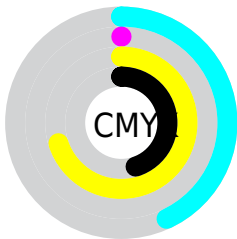
Distribution



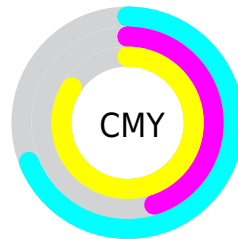
- Red (31%)
- Green (55%)
- Blue (16%)



- Red (16%)
- Yellow (55%)
- Blue (40%)



- Cyan (43%)
- Magenta (0%)
- Yellow (70%)
- Black (45%)



- Cyan (69%)
- Magenta (45%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9224, 0.3337, 0.5270 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 20.9224, 0.3337, 0.5270 by changing the saturation by 10% instead.


 20.9224, 0.3337,
0.5270


 20.9224, 0.3337,
0.5270


256.8658, 0.3288,
0.4097


 13.0673, 0.3303,
0.5622


 44.9584, 0.3345,
0.4797

 7.4749, 0.3215,
0.6100


 61.9080, 0.3339,
0.4634


 3.7608, 0.3072,
0.6928

 82.6579, 0.3330,
0.4501

 1.5407, 0.2206,
0.7794

 107.5925, 0.3321,
0.4392

 0.3171, 0.0000,
1.0000

 137.0962, 0.3312,
0.4300

 0.0000, 0.0000,
0.0000

 171.5534, 0.3303,

0.4222

211.3485, 0.3295,
0.4155

■ 20.9224, 0.3337,
0.5270

■ 20.9224, 0.3337,
0.5270

■ 20.4854, 0.3318,
0.5502

■ 21.4457, 0.3339,
0.4997

■ 20.1262, 0.3281,
0.5680

■ 22.0578, 0.3325,
0.4701

■ 19.8384, 0.3237,
0.5812

■ 22.7642, 0.3299,
0.4395

■ 23.5691, 0.3263,
0.4094

■ 24.4766, 0.3221,
0.3807

■ 25.4905, 0.3175,
0.3540

■ 26.6142, 0.3128,
0.3295

■ 27.8511, 0.3081,
0.3074

■ 29.2045, 0.3036,
0.2876

Harmonies

Analogous

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



20.9224, 0.4267, 0.4987



20.9224, 0.3337, 0.5270



20.9224, 0.2402, 0.4666

Triad

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



20.9224, 0.3337, 0.5270



20.9224, 0.1491, 0.1932



20.9224, 0.4688, 0.2901

Complementary

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



20.9224, 0.3337, 0.5270



6.4661, 0.2579, 0.1484

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.



20.9224, 0.3665, 0.2318



20.9224, 0.3337, 0.5270



20.9224, 0.1875, 0.1782

Square

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



20.9224, 0.3337, 0.5270



20.9224, 0.1433, 0.2459



20.9224, 0.2615, 0.1924



20.9224, 0.5178, 0.3578

Rectangle

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



20.9224, 0.3337, 0.5270



20.9224, 0.1907, 0.3870



20.9224, 0.2615, 0.1924



20.9224, 0.4384, 0.2692

Sweetspot

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



20.9233, 0.3337, 0.5270



43.6162, 0.3226, 0.3841



15.2171, 0.4523, 0.4275



9.6524, 0.3237, 0.3909



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.



20.9233, 0.3337, 0.5270



36.3047, 0.3299, 0.5609



19.7919, 0.2971, 0.5297



6.1238, 0.3170, 0.3513



18.0949, 0.3240, 0.5810



0.1850, 0.3584, 0.5537

Inverse Universe

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



6.4661, 0.2579, 0.1484



8.6620, 0.2423, 0.1203



8.9611, 0.3367, 0.1895



5.4092, 0.3080, 0.3069



3.6080, 0.2291, 0.1036



0.0472, 0.2717, 0.1270

Previews

White Background



This preview shows how the Yxy color 20.9224, 0.3337, 0.5270 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 20.9224, 0.3337, 0.5270 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 20.9224, 0.3337, 0.5270

Background



This preview shows how black text looks on a background with the Yxy color 20.9224, 0.3337, 0.5270.



This preview shows how white text looks on a background with the Yxy color 20.9224, 0.3337, 0.5270.

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

20.9224, 0.3337, 0.5270

Protanopia

20.7244, 0.4237, 0.4672

Deuteranopia

20.4919, 0.4420, 0.4337



Tritanopia

20.9423, 0.2657, 0.3099

Trichromacy



Original Color

20.9224, 0.3337, 0.5270

Protanomaly

20.3010, 0.3888, 0.4906

Deuteranomaly

19.9732, 0.3989, 0.4686

Tritanomaly

20.5422, 0.2932, 0.3890

Monochromacy



Original Color

20.9224, 0.3337, 0.5270

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.3003, 0.3261, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9224, 0.3337, 0.5270 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(80, 141, 42)` looks like.

```
.text, #text, p{  
    color:rgb(80, 141, 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(80, 141, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 141, 42) }
```

Border

The CSS property to change the border of an element to Yxy 20.9224, 0.3337, 0.5270 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(80, 141, 42) }
```

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

```
.border{ border-color:rgb(80, 141, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 141, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 141, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 141, 42);  
box-shadow:4px 4px 4px 4px rgb(80, 141,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9224, 0.3337, 0.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 141, 42) }
```

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

```
.background{ background-color: rgb(80, 141,  
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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