

Converting Colors

$Y_{xy}(21.0264, 0.3138, 0.5298)$

Have a look what the booklet for
Yxy(21.0264, 0.3138, 0.5298)
contains.

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Color

Yxy(20.9151, 0.3141, 0.5295)

Conversions

Conversions Part 1

Format	Color
Hex	3F8F30
RGB	63, 143, 48
RGB Percent	25%, 56%, 19%
CMY	0.7528, 0.4392, 0.8118
CMYK	0.56, 0.00, 0.66, 0.44
HSL	111°, 50%, 37%
HSV	111°, 66%, 56%
XYZ	12.4069, 20.9151, 6.1778
YIQ	108.2500, -17.1850, -46.5050

Conversions

Conversions Part 2

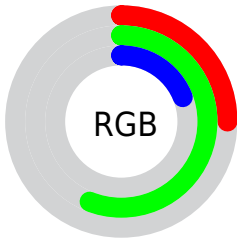
Format	Color
R_{YB}	48, 143, 128
Decimal	4165424
CIE _{Lab}	52.86, -43.16, 41.87
CIE _{LCh}	53, 60.129, 135.871
Yxy	20.9151, 0.3141, 0.5295
Android (android.graphics.Color)	4282355504 (0xFF3F8F30)
YUV	108.2500, -29.7032, -39.6842
Hunter-Lab	45.7330, -31.6077, 24.0040

Details

The Yxy color **20.9151, 0.3141, 0.5295** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.6823, 0.2954, 0.1720**, and the grayscale version is **15.1607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1406, 0.3183, 0.4802**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.4623, 0.3120, 0.5565**, and if you desaturate by 10%, it is **21.4944, 0.3155, 0.4983**.

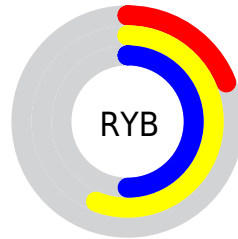
Distribution



Red (25%)

Green (56%)

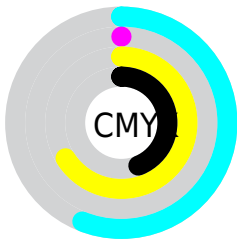
Blue (19%)



Red (19%)

Yellow (56%)

Blue (50%)

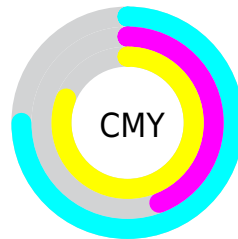


Cyan (56%)

Magenta (0%)

Yellow (66%)

Black (44%)



Cyan (75%)


Magenta (44%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9151, 0.3141, 0.5295 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 20.9151, 0.3141, 0.5295 by changing the saturation by 10% instead.


 20.9151, 0.3141,
0.5295


 20.9151, 0.3141,
0.5295


256.8270, 0.3199,
0.4092


 13.0620, 0.3080,
0.5669


 44.9462, 0.3189,
0.4803

 7.4712, 0.2955,
0.6187


 61.8929, 0.3198,
0.4635

 3.7585, 0.2799,
0.7201

 82.6397, 0.3202,
0.4500

 1.5394, 0.1627,
0.8373

 107.5708, 0.3204,
0.4389

 0.3162, 0.0000,
1.0000

 137.0707, 0.3204,
0.4296

 0.0000, 0.0000,
0.0000

 171.5237, 0.3203,

0.4218

211.3144, 0.3201,
0.4150

■ 20.9151, 0.3141,
0.5295

■ 20.9151, 0.3141,
0.5295

■ 20.4623, 0.3120,
0.5565

■ 21.4944, 0.3155,
0.4983

■ 20.1238, 0.3093,
0.5774

■ 22.2061, 0.3161,
0.4652

■ 19.8881, 0.3063,
0.5914

■ 23.0588, 0.3161,
0.4321

■ 19.8229, 0.3055,
0.5956

■ 24.0596, 0.3156,
0.4005

■ 25.2151, 0.3147,
0.3711

■ 26.5317, 0.3135,
0.3446

■ 28.0152, 0.3122,
0.3209

■ 29.6711, 0.3109,
0.3001

■ 31.5049, 0.3095,
0.2818

Harmonies

Analogous

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



20.9151, 0.4112, 0.5134



20.9151, 0.3141, 0.5295



20.9151, 0.2215, 0.4492

Triad

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



20.9151, 0.3141, 0.5295



20.9151, 0.1504, 0.1843



20.9151, 0.4887, 0.3014

Complementary

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



20.9151, 0.3141, 0.5295



8.6823, 0.2954, 0.1720

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.



20.9151, 0.3901, 0.2397



20.9151, 0.3141, 0.5295



20.9151, 0.1961, 0.1755

Square

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



20.9151, 0.3141, 0.5295



20.9151, 0.1381, 0.2292



20.9151, 0.2788, 0.1952



20.9151, 0.5244, 0.3714

Rectangle

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



20.9151, 0.3141, 0.5295



20.9151, 0.1759, 0.3635



20.9151, 0.2788, 0.1952



20.9151, 0.4609, 0.2796

Sweetspot

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



20.9160, 0.3141, 0.5295



44.2985, 0.3151, 0.3825



21.2744, 0.4177, 0.4563



10.0394, 0.3153, 0.3899



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.



20.9160, 0.3141, 0.5295



36.3019, 0.3106, 0.5683



20.8473, 0.2822, 0.4715



6.0678, 0.3139, 0.3515



17.5336, 0.3057, 0.5954



0.1739, 0.3268, 0.5787

Inverse Universe

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



8.6823, 0.2954, 0.1720



12.6312, 0.2894, 0.1488



9.1075, 0.3774, 0.2251



5.4684, 0.3114, 0.3071



5.3147, 0.2822, 0.1328



0.0583, 0.3023, 0.1439

Previews

White Background



This preview shows how the Yxy color 20.9151, 0.3141, 0.5295 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 20.9151, 0.3141, 0.5295 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 20.9151, 0.3141, 0.5295

Background



This preview shows how black text looks on a background with the Yxy color 20.9151, 0.3141, 0.5295.



This preview shows how white text looks on a background with the Yxy color 20.9151, 0.3141, 0.5295.

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

20.9151, 0.3141, 0.5295

Protanopia

20.6716, 0.4189, 0.4627

Deuteranopia

20.4477, 0.4351, 0.4272



Tritanopia

20.9028, 0.2535, 0.3095

Trichromacy



Original Color

20.9151, 0.3141, 0.5295

Protanomaly

20.1367, 0.3749, 0.4899

Deuteranomaly

19.8330, 0.3851, 0.4661

Tritanomaly

20.5319, 0.2778, 0.3883

Monochromacy



Original Color

20.9151, 0.3141, 0.5295

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.6219, 0.3163, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9151, 0.3141, 0.5295 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(63, 143, 48)` looks like.

```
.text, #text, p{  
    color:rgb(63, 143, 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(63, 143, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 143, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.9151, 0.3141, 0.5295 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(63, 143, 48) }
```

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

```
.border{ border-color:rgb(63, 143, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 143, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 143, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 143, 48);  
box-shadow:4px 4px 4px 4px rgb(63, 143,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9151, 0.3141, 0.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 143, 48) }
```

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

```
.background{ background-color: rgb(63, 143,  
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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