

Converting Colors

$Yxy(20.9637, 0.2989, 0.4324)$

Have a look what the booklet for
Yxy(20.9637, 0.2989, 0.4324)
contains.

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Color

$\text{Yxy}(20.9528, 0.2991, 0.4331)$

Conversions

Conversions Part 1

Format	Color
Hex	518B5A
RGB	81, 139, 90
RGB Percent	32%, 55%, 35%
CMY	0.6824, 0.4549, 0.6470
CMYK	0.42, 0.00, 0.35, 0.45
HSL	129°, 26%, 43%
HSV	129°, 42%, 55%
XYZ	14.4701, 20.9528, 12.9558
YIQ	116.0720, -18.8390, -27.5350

Conversions

Conversions Part 2

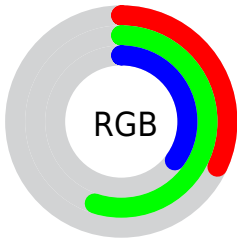
Format	Color
R_{YB}	81, 131, 139
Decimal	5344090
CIE _{Lab}	52.90, -29.99, 20.42
CIE _{LCh}	53, 36.283, 145.753
Yxy	20.9528, 0.2991, 0.4331
Android (android.graphics.Color)	4283534170 (0xFF518B5A)
YUV	116.0720, -12.8535, -30.7581
Hunter-Lab	45.7742, -23.6778, 15.2607

Details

The Yxy color **20.9528, 0.2991, 0.4331** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.9818, 0.3306, 0.2436**, and the grayscale version is **17.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0199, 0.3037, 0.4084**, and **7.4373, 0.2890, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **20.2170, 0.2965, 0.4633**, and if you desaturate by 10%, it is **21.8476, 0.3021, 0.4043**.

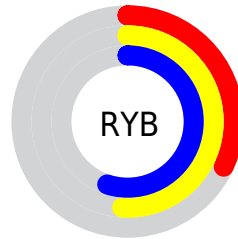
Distribution



Red (32%)

Green (55%)

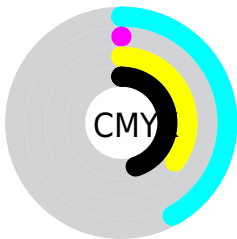
Blue (35%)



Red (32%)

Yellow (51%)

Blue (55%)

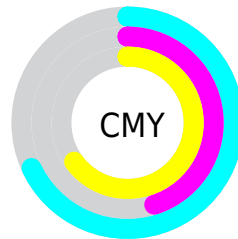


Cyan (42%)

Magenta (0%)

Yellow (35%)

Black (45%)



Cyan (68%)

Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9528, 0.2991, 0.4331 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 20.9528, 0.2991, 0.4331 by changing the saturation by 10% instead.


 20.9528, 0.2991,
0.4331


 20.9528, 0.2991,
0.4331

257.0275, 0.3085,
0.3712


 13.0895, 0.2953,
0.4531


 45.0090, 0.3034,
0.4076


 7.4902, 0.2892,
0.4823


 61.9706, 0.3047,
0.3990

 3.7705, 0.2780,
0.5284

 82.7339, 0.3057,
0.3921

 1.5460, 0.2719,
0.6727

 107.6831, 0.3065,
0.3864

 0.3208, 0.0000,
1.0000

 137.2027, 0.3071,
0.3817

 0.0000, 0.0000,
0.0000

171.6770, 0.3076,

0.3776

211.4905, 0.3081,
0.3742

■ 20.9528, 0.2991,
0.4331

■ 20.9528, 0.2991,
0.4331

■ 20.2170, 0.2965,
0.4633

■ 21.8476, 0.3021,
0.4043

■ 19.6284, 0.2946,
0.4938

■ 22.9073, 0.3054,
0.3778

■ 19.1777, 0.2936,
0.5230


■ 24.1406, 0.3088,
0.3538


■ 18.8534, 0.2936,
0.5491


■ 25.5548, 0.3121,
0.3325


■ 18.6421, 0.2947,
0.5704


■ 27.1568, 0.3154,
0.3137

 18.5236, 0.2955,
0.5840

 28.9533, 0.3184,
0.2974

 30.9503, 0.3213,
0.2831

 33.1539, 0.3240,
0.2708

 35.5699, 0.3264,
0.2602

Harmonies

Analogous

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



20.9528, 0.3632, 0.4501



20.9528, 0.2991, 0.4331



20.9528, 0.2420, 0.3759

Triad

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



20.9528, 0.2991, 0.4331



20.9528, 0.2130, 0.2303



20.9528, 0.4319, 0.3322

Complementary

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



20.9528, 0.2991, 0.4331



12.9818, 0.3306, 0.2436

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.



20.9528, 0.3827, 0.2852



20.9528, 0.2991, 0.4331



20.9528, 0.2542, 0.2290

Square

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



20.9528, 0.2991, 0.4331



20.9528, 0.1965, 0.2560



20.9528, 0.3155, 0.2487



20.9528, 0.4437, 0.3824

Rectangle

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



20.9528, 0.2991, 0.4331



20.9528, 0.2151, 0.3294



20.9528, 0.3155, 0.2487



20.9528, 0.4190, 0.3158

Sweetspot

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



20.9537, 0.2991, 0.4331



42.8674, 0.3083, 0.3573



23.8306, 0.3623, 0.4323



9.7725, 0.3076, 0.3619



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.



20.9537, 0.2991, 0.4331



36.2802, 0.2967, 0.4613



21.5400, 0.2741, 0.3704



5.6201, 0.3097, 0.3480



16.7185, 0.2954, 0.5834



0.1125, 0.2796, 0.5267

Inverse Universe

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



12.9818, 0.3306, 0.2436



20.0196, 0.3357, 0.2260



12.3160, 0.3781, 0.2919



5.1158, 0.3159, 0.3107



6.1231, 0.3633, 0.1775



0.0423, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 20.9528, 0.2991, 0.4331 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 20.9528, 0.2991, 0.4331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

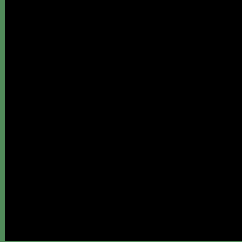
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.9528, 0.2991, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 20.9528, 0.2991, 0.4331.



This preview shows how white text looks on a background with the Yxy color 20.9528, 0.2991, 0.4331.

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

20.9528, 0.2991, 0.4331

Protanopia

20.7960, 0.3738, 0.4046

Deuteranopia

20.5370, 0.3813, 0.3738



Tritanopia

20.7610, 0.2613, 0.3078

Trichromacy



Original Color

20.9528, 0.2991, 0.4331

Protanomaly

20.6175, 0.3434, 0.4165

Deuteranomaly

20.2541, 0.3474, 0.3936

Tritanomaly

20.8579, 0.2748, 0.3510

Monochromacy



Original Color

20.9528, 0.2991, 0.4331

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3604, 0.3063, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9528, 0.2991, 0.4331 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, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(81, 139, 90)  
}
```

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, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 139, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.9528, 0.2991, 0.4331 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, 139, 90) }
```

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

```
.border{ border-color:rgb(81, 139, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 139, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(81, 139,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9528, 0.2991, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 139, 90) }
```

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

```
.background{ background-color: rgb(81, 139,  
90) }
```

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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