

Converting Colors

$Y_{xy}(20.4139, 0.3116, 0.5019)$

Have a look what the booklet for
Yxy(20.4139, 0.3116, 0.5019)
contains.

Yxy(20.3476, 0.3121, 0.5020)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.3476, 0.3121, 0.5020)$

Conversions

Conversions Part 1

Format	Color
Hex	458C3C
RGB	69, 140, 60
RGB Percent	27%, 55%, 24%
CMY	0.7292, 0.4510, 0.7647
CMYK	0.51, 0.00, 0.57, 0.45
HSL	113°, 40%, 39%
HSV	113°, 57%, 55%
XYZ	12.6504, 20.3476, 7.5351
YIQ	109.6510, -16.6360, -39.9320

Conversions

Conversions Part 2

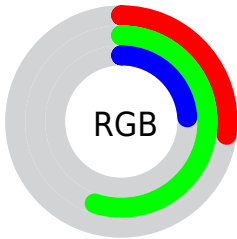
Format	Color
RYB	60, 140, 131
Decimal	4557884
CIELab	52.23, -38.80, 35.52
CIELCh	52, 52.606, 137.526
Yxy	20.3476, 0.3121, 0.5020
Android (android.graphics.Color)	4282747964 (0xFF458C3C)
YUV	109.6510, -24.4779, -35.6509
Hunter-Lab	45.1083, -28.8802, 21.6717

Details

The Yxy color **20.3476, 0.3121, 0.5020** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.9459, 0.3046, 0.1929**, and the grayscale version is **15.5662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9203, 0.3159, 0.4583**, and **7.1925, 0.2977, 0.5823** is the 20% darker color. If you saturate the color by 10%, you get **19.8116, 0.3106, 0.5333**, and if you desaturate by 10%, it is **21.0195, 0.3131, 0.4685**.

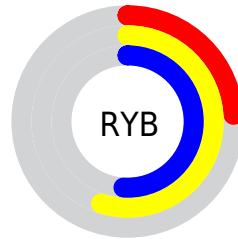
Distribution



Red (27%)

Green (55%)

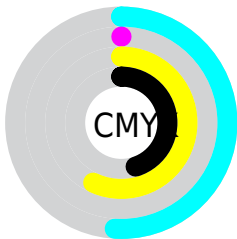
Blue (24%)



Red (24%)

Yellow (55%)

Blue (51%)

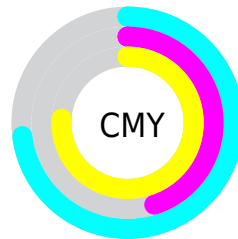


Cyan (51%)

Magenta (0%)

Yellow (57%)

Black (45%)



Cyan (73%)

Magenta (45%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3476, 0.3121, 0.5020 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 20.3476, 0.3121, 0.5020 by changing the saturation by 10% instead.


 20.3476, 0.3121,
0.5020

 20.3476, 0.3121,
0.5020


253.7907, 0.3172,
0.3978


 12.6480, 0.3074,
0.5353

 43.9992, 0.3159,
0.4590

 7.1866, 0.2980,
0.5827


 60.7200, 0.3166,
0.4445

 3.5791, 0.2871,
0.6759

 81.2165, 0.3170,
0.4328

 1.4410, 0.1907,
0.8093

 105.8733, 0.3172,
0.4233

 0.2466, 0.0000,
1.0000

 135.0748, 0.3173,
0.4153

 0.0000, 0.0000,
0.0000

 169.2052, 0.3173,

0.4086

208.6491, 0.3173,
0.4028

■ 20.3476, 0.3121,
0.5020

■ 20.3476, 0.3121,
0.5020

■ 19.8116, 0.3106,
0.5333

■ 21.0195, 0.3131,
0.4685

■ 19.3998, 0.3086,
0.5601

■ 21.8331, 0.3136,
0.4350

■ 19.1028, 0.3062,
0.5805

■ 22.7968, 0.3138,
0.4029

■ 18.9064, 0.3039,
0.5939

■ 23.9177, 0.3136,
0.3732

■ 18.8640, 0.3035,
0.5972

■ 25.2024, 0.3131,
0.3463

■ 26.6570, 0.3125,
0.3225

■ 28.2876, 0.3118,
0.3016

■ 30.0997, 0.3111,
0.2833

■ 32.0987, 0.3103,
0.2674

Harmonies

Analogous

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



20.3476, 0.4004, 0.4974



20.3476, 0.3121, 0.5020



20.3476, 0.2286, 0.4279

Triad

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



20.3476, 0.3121, 0.5020



20.3476, 0.1665, 0.1971



20.3476, 0.4720, 0.3096

Complementary

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



20.3476, 0.3121, 0.5020



9.9459, 0.3046, 0.1929

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.



20.3476, 0.3874, 0.2515



20.3476, 0.3121, 0.5020



20.3476, 0.2110, 0.1897

Square

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



20.3476, 0.3121, 0.5020



20.3476, 0.1536, 0.2377



20.3476, 0.2883, 0.2091



20.3476, 0.5020, 0.3751

Rectangle

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



20.3476, 0.3121, 0.5020



20.3476, 0.1876, 0.3545



20.3476, 0.2883, 0.2091



20.3476, 0.4483, 0.2891

Sweetspot

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



20.3485, 0.3121, 0.5020



42.1247, 0.3136, 0.3738



22.0438, 0.4001, 0.4477



9.6234, 0.3136, 0.3787



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.



20.3485, 0.3121, 0.5020



34.6666, 0.3099, 0.5428



20.4654, 0.2811, 0.4386



5.6336, 0.3132, 0.3514



16.7673, 0.3037, 0.5970



0.1144, 0.3196, 0.5844

Inverse Universe

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



9.9459, 0.3046, 0.1929



14.3852, 0.3013, 0.1688



9.9179, 0.3728, 0.2431



5.1008, 0.3120, 0.3073



5.5059, 0.2933, 0.1390



0.0404, 0.3078, 0.1469

Previews

White Background



This preview shows how the Yxy color 20.3476, 0.3121, 0.5020 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 20.3476, 0.3121, 0.5020 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 20.3476, 0.3121, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 20.3476, 0.3121, 0.5020.



This preview shows how white text looks on a background with the Yxy color 20.3476, 0.3121, 0.5020.

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

20.3476, 0.3121, 0.5020

Protanopia

20.0944, 0.4084, 0.4466

Deuteranopia

20.0256, 0.4219, 0.4139



Tritanopia

20.1640, 0.2567, 0.3074

Trichromacy



Original Color

20.3476, 0.3121, 0.5020



Protanomaly

19.7714, 0.3683, 0.4688



Deuteranomaly

19.4294, 0.3766, 0.4459



Tritanomaly

19.9255, 0.2780, 0.3754

Monochromacy



Original Color

20.3476, 0.3121, 0.5020



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

16.8803, 0.3134, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3476, 0.3121, 0.5020 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(69, 140, 60)` looks like.

```
.text, #text, p{  
    color:rgb(69, 140, 60)  
}
```

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(69, 140, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 140, 60) }
```

Border

The CSS property to change the border of an element to Yxy 20.3476, 0.3121, 0.5020 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(69, 140, 60) }
```

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

```
.border{ border-color:rgb(69, 140, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 140, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 140, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 140, 60);  
box-shadow:4px 4px 4px 4px rgb(69, 140,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3476, 0.3121, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 140, 60) }
```

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

```
.background{ background-color: rgb(69, 140,  
60) }
```

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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