

Converting Colors

$Y_{xy}(20.6733, 0.3102, 0.4970)$

Have a look what the booklet for
Yxy(20.6733, 0.3102, 0.4970)
contains.

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Color

Yxy(20.6738, 0.3098, 0.4974)

Conversions

Conversions Part 1

Format	Color
Hex	458D3F
RGB	69, 141, 63
RGB Percent	27%, 55%, 25%
CMY	0.7294, 0.4471, 0.7530
CMYK	0.51, 0.00, 0.55, 0.45
HSL	115°, 38%, 40%
HSV	115°, 55%, 55%
XYZ	12.8764, 20.6738, 8.0135
YIQ	110.5800, -17.8740, -39.5220

Conversions

Conversions Part 2

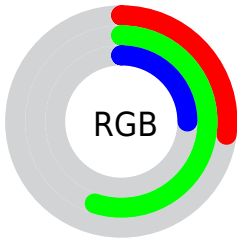
Format	Color
RYB	63, 141, 135
Decimal	4558143
CIELab	52.59, -38.85, 34.45
CIElCh	53, 51.923, 138.441
Yxy	20.6738, 0.3098, 0.4974
Android (android.graphics.Color)	4282748223 (0xFF458D3F)
YUV	110.5800, -23.4569, -36.4657
Hunter-Lab	45.4685, -29.0195, 21.3785

Details

The Yxy color **20.6738, 0.3098, 0.4974** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.6280, 0.3094, 0.1984**, and the grayscale version is **15.8420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4334, 0.3139, 0.4549**, and **7.3698, 0.2959, 0.5760** is the 20% darker color. If you saturate the color by 10%, you get **20.1118, 0.3083, 0.5296**, and if you desaturate by 10%, it is **21.3823, 0.3110, 0.4634**.

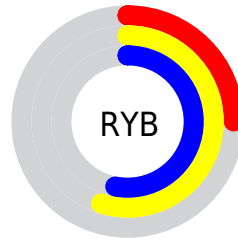
Distribution



Red (27%)

Green (55%)

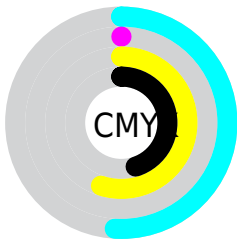
Blue (25%)



Red (25%)

Yellow (55%)

Blue (53%)

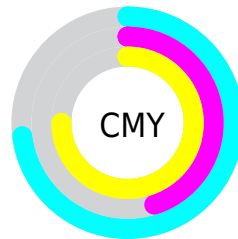


Cyan (51%)

Magenta (0%)

Yellow (55%)

Black (45%)



Cyan (73%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6738, 0.3098, 0.4974 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 20.6738, 0.3098, 0.4974 by changing the saturation by 10% instead.


 20.6738, 0.3098,
0.4974


 20.6738, 0.3098,
0.4974


255.5398, 0.3159,
0.3961

 12.8858, 0.3051,
0.5298


 44.5440, 0.3139,
0.4556

 7.3499, 0.2959,
0.5761


 61.3950, 0.3148,
0.4415

 3.6819, 0.2827,
0.6608

 82.0357, 0.3153,
0.4302

 1.4973, 0.2009,
0.7991

 106.8506, 0.3156,
0.4209

 0.2868, 0.0000,
1.0000

 136.2241, 0.3158,
0.4132

 0.0000, 0.0000,
0.0000

 170.5405, 0.3159,

0.4066

210.1843, 0.3159,
0.4010

■ 20.6738, 0.3098,
0.4974

■ 20.6738, 0.3098,
0.4974

■ 20.1118, 0.3083,
0.5296

■ 21.3823, 0.3110,
0.4634

■ 19.6837, 0.3065,
0.5575

■ 22.2438, 0.3118,
0.4296

■ 19.3789, 0.3045,
0.5790

■ 23.2676, 0.3124,
0.3976

■ 19.1836, 0.3027,
0.5930

■ 24.4613, 0.3127,
0.3682

■ 19.1206, 0.3023,
0.5982

■ 25.8322, 0.3127,
0.3418

■ 27.3871, 0.3127,
0.3185

■ 29.1325, 0.3125,
0.2981

■ 31.0746, 0.3122,
0.2804

■ 33.2192, 0.3119,
0.2651

Harmonies

Analogous

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



20.6738, 0.3970, 0.4958



20.6738, 0.3098, 0.4974



20.6738, 0.2280, 0.4228

Triad

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



20.6738, 0.3098, 0.4974



20.6738, 0.1694, 0.1985



20.6738, 0.4709, 0.3121

Complementary

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



20.6738, 0.3098, 0.4974



10.6280, 0.3094, 0.1984

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.



20.6738, 0.3891, 0.2543



20.6738, 0.3098, 0.4974



20.6738, 0.2145, 0.1918

Square

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



20.6738, 0.3098, 0.4974



20.6738, 0.1557, 0.2376



20.6738, 0.2916, 0.2118



20.6738, 0.4987, 0.3770

Rectangle

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



20.6738, 0.3098, 0.4974



20.6738, 0.1882, 0.3510



20.6738, 0.2916, 0.2118



20.6738, 0.4483, 0.2917

Sweetspot

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



20.6747, 0.3098, 0.4974



43.3428, 0.3126, 0.3739



23.2110, 0.3954, 0.4482



9.5966, 0.3126, 0.3789



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.



20.6747, 0.3098, 0.4974



35.8360, 0.3079, 0.5358



20.9424, 0.2796, 0.4285



6.0480, 0.3127, 0.3516



17.4370, 0.3024, 0.5981



0.1699, 0.3136, 0.5892

Inverse Universe

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



10.6280, 0.3094, 0.1984



15.9645, 0.3077, 0.1763



10.3109, 0.3751, 0.2496



5.4902, 0.3126, 0.3072



6.0937, 0.3021, 0.1438



0.0623, 0.3121, 0.1493

Previews

White Background



This preview shows how the Yxy color 20.6738, 0.3098, 0.4974 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 20.6738, 0.3098, 0.4974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

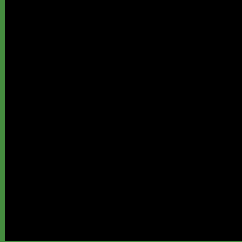
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6738, 0.3098, 0.4974

Background



This preview shows how black text looks on a background with the Yxy color 20.6738, 0.3098, 0.4974.



This preview shows how white text looks on a background with the Yxy color 20.6738, 0.3098, 0.4974.

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

20.6738, 0.3098, 0.4974

Protanopia

20.3760, 0.4047, 0.4438

Deuteranopia

20.2987, 0.4176, 0.4111



Tritanopia

20.7367, 0.2565, 0.3095

Trichromacy



Original Color

20.6738, 0.3098, 0.4974

Protanomaly

20.0696, 0.3650, 0.4653

Deuteranomaly

19.7216, 0.3729, 0.4423

Tritanomaly

20.5287, 0.2766, 0.3749

Monochromacy



Original Color

20.6738, 0.3098, 0.4974

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.2140, 0.3123, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6738, 0.3098, 0.4974 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, 141, 63)` looks like.

```
.text, #text, p{  
    color:rgb(69, 141, 63)  
}
```

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, 141, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 141, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.6738, 0.3098, 0.4974 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, 141, 63) }
```

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

```
.border{ border-color:rgb(69, 141, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 141, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 141, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 141, 63);  
box-shadow:4px 4px 4px 4px rgb(69, 141,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6738, 0.3098, 0.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 141, 63) }
```

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

```
.background{ background-color: rgb(69, 141,  
63) }
```

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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