

Converting Colors

$Y_{xy}(20.1977, 0.2939, 0.4453)$

Have a look what the booklet for
Yxy(20.1977, 0.2939, 0.4453)
contains.

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Color

$\text{Yxy}(20.1724, 0.2943, 0.4455)$

Conversions

Conversions Part 1

Format	Color
Hex	478A55
RGB	71, 138, 85
RGB Percent	28%, 54%, 33%
CMY	0.7216, 0.4588, 0.6667
CMYK	0.49, 0.00, 0.38, 0.46
HSL	133°, 32%, 41%
HSV	133°, 49%, 54%
XYZ	13.3260, 20.1724, 11.7819
YIQ	111.9250, -22.9190, -30.6870

Conversions

Conversions Part 2

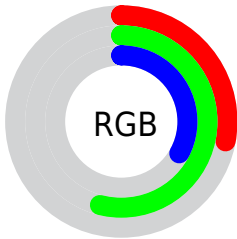
Format	Color
RYB	71, 126, 138
Decimal	4688469
CIELab	52.03, -33.49, 21.99
CIElCh	52, 40.063, 146.708
Yxy	20.1724, 0.2943, 0.4455
Android (android.graphics.Color)	4282878549 (0xFF478A55)
YUV	111.9250, -13.2740, -35.8912
Hunter-Lab	44.9137, -25.6376, 15.8864

Details

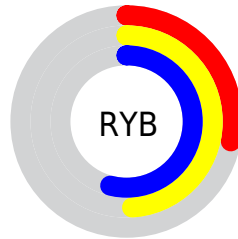
The Yxy color **20.1724, 0.2943, 0.4455** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3656, 0.3401, 0.2361**, and the grayscale version is **16.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7336, 0.3004, 0.4166**, and **7.0562, 0.2808, 0.5010** is the 20% darker color. If you saturate the color by 10%, you get **19.5490, 0.2919, 0.4744**, and if you desaturate by 10%, it is **20.9427, 0.2975, 0.4175**.

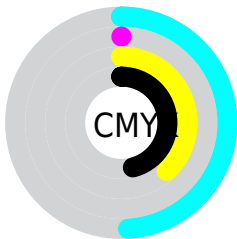
Distribution



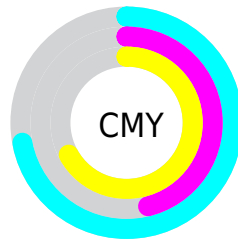
- Red (28%)
- Green (54%)
- Blue (33%)



- Red (28%)
- Yellow (49%)
- Blue (54%)



- Cyan (49%)
- Magenta (0%)
- Yellow (38%)
- Black (46%)




- Cyan (72%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1724, 0.2943, 0.4455 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 20.1724, 0.2943, 0.4455 by changing the saturation by 10% instead.


 20.1724, 0.2943,
0.4455


 20.1724, 0.2943,
0.4455


252.8469, 0.3068,
0.3755


 12.5204, 0.2893,
0.4685


 43.7060, 0.3000,
0.4165

 7.0992, 0.2811,
0.5022


 60.3565, 0.3018,
0.4067


 3.5242, 0.2663,
0.5560

 80.7752, 0.3031,
0.3989

 1.4111, 0.2412,
0.7588

 105.3466, 0.3042,
0.3925

 0.2249, 0.0000,
1.0000

 134.4551, 0.3050,
0.3872

 0.0000, 0.0000,
0.0000

168.4850, 0.3057,

0.3827

207.8208, 0.3063,
0.3789

■ 20.1724, 0.2943,
0.4455

■ 20.1724, 0.2943,
0.4455

■ 19.5490, 0.2919,
0.4744

■ 20.9427, 0.2975,
0.4175

■ 19.0608, 0.2904,
0.5031

■ 21.8661, 0.3012,
0.3912

■ 18.6980, 0.2902,
0.5300


■ 22.9510, 0.3052,
0.3671


■ 18.4487, 0.2912,
0.5535


■ 24.2050, 0.3092,
0.3455


■ 18.2867, 0.2929,
0.5727


■ 25.6348, 0.3133,
0.3264

 18.2658, 0.2931,
0.5751

 27.2469, 0.3172,
0.3095

 29.0474, 0.3210,
0.2948

 31.0423, 0.3245,
0.2820

 33.2370, 0.3278,
0.2709

Harmonies

Analogous

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



20.1724, 0.3653, 0.4648



20.1724, 0.2943, 0.4455



20.1724, 0.2320, 0.3790

Triad

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



20.1724, 0.2943, 0.4455



20.1724, 0.2038, 0.2196



20.1724, 0.4471, 0.3330

Complementary

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



20.1724, 0.2943, 0.4455



11.3656, 0.3401, 0.2361

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.



20.1724, 0.3930, 0.2818



20.1724, 0.2943, 0.4455



20.1724, 0.2494, 0.2194

Square

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



20.1724, 0.2943, 0.4455



20.1724, 0.1850, 0.2460



20.1724, 0.3177, 0.2417



20.1724, 0.4580, 0.3879

Rectangle

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



20.1724, 0.2943, 0.4455



20.1724, 0.2035, 0.3261



20.1724, 0.3177, 0.2417



20.1724, 0.4332, 0.3152

Sweetspot

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



20.1732, 0.2943, 0.4455



41.1341, 0.3065, 0.3599



22.9631, 0.3652, 0.4503



9.1395, 0.3057, 0.3639



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.1732, 0.2943, 0.4455



34.3900, 0.2917, 0.4764



20.8233, 0.2664, 0.3711



5.6242, 0.3090, 0.3468



16.7480, 0.2929, 0.5746



0.1130, 0.2739, 0.5060

Inverse Universe

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



11.3656, 0.3401, 0.2361



16.9829, 0.3481, 0.2184



10.6670, 0.4007, 0.2922



5.1114, 0.3167, 0.3119



5.9724, 0.3801, 0.1867



0.0418, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 20.1724, 0.2943, 0.4455 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 20.1724, 0.2943, 0.4455 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 20.1724, 0.2943, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 20.1724, 0.2943, 0.4455.



This preview shows how white text looks on a background with the Yxy color 20.1724, 0.2943, 0.4455.

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

20.1724, 0.2943, 0.4455

Protanopia

19.7988, 0.3788, 0.4093

Deuteranopia

19.7891, 0.3862, 0.3796



Tritanopia

20.0704, 0.2550, 0.3073

Trichromacy



Original Color

20.1724, 0.2943, 0.4455

Protanomaly

19.4119, 0.3436, 0.4232

Deuteranomaly

19.2938, 0.3474, 0.4013

Tritanomaly

20.0929, 0.2692, 0.3559

Monochromacy



Original Color

20.1724, 0.2943, 0.4455

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1754, 0.3048, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1724, 0.2943, 0.4455 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(71, 138, 85)` looks like.

```
.text, #text, p{  
    color:rgb(71, 138, 85)  
}
```

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(71, 138, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 138, 85) }
```

Border

The CSS property to change the border of an element to Yxy 20.1724, 0.2943, 0.4455 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(71, 138, 85) }
```

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

```
.border{ border-color:rgb(71, 138, 85) }
```

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

Here you see how a box with a 4 pixel rgb(71, 138, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 138, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 138, 85);  
box-shadow:4px 4px 4px 4px rgb(71, 138,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1724, 0.2943, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 138, 85) }
```

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

```
.background{ background-color: rgb(71, 138,  
85) }
```

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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