

Converting Colors

$Yxy(20.4212, 0.3024, 0.4477)$

Have a look what the booklet for
Yxy(20.4212, 0.3024, 0.4477)
contains.

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Color

Yxy(20.4212, 0.3024, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	4E8A53
RGB	78, 138, 83
RGB Percent	31%, 54%, 33%
CMY	0.6940, 0.4588, 0.6745
CMYK	0.43, 0.00, 0.40, 0.46
HSL	125°, 28%, 42%
HSV	125°, 43%, 54%
XYZ	13.7935, 20.4212, 11.3988
YIQ	113.7900, -18.1050, -29.8250

Conversions

Conversions Part 2

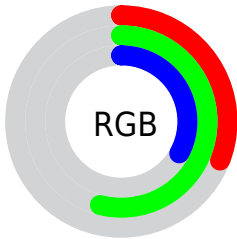
Format	Color
RYB	78, 133, 138
Decimal	5147219
CIELab	52.31, -31.69, 23.52
CIElCh	52, 39.459, 143.420
Yxy	20.4212, 0.3024, 0.4477
Android (android.graphics.Color)	4283337299 (0xFF4E8A53)
YUV	113.7900, -15.1795, -31.3878
Hunter-Lab	45.1898, -24.5976, 16.6774

Details

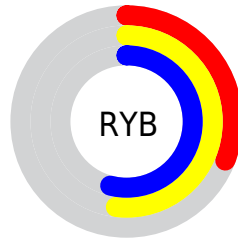
The Yxy color **20.4212, 0.3024, 0.4477** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.5503, 0.3248, 0.2337**, and the grayscale version is **16.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1386, 0.3062, 0.4186**, and **7.1696, 0.2925, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **19.7208, 0.3004, 0.4803**, and if you desaturate by 10%, it is **21.2813, 0.3047, 0.4162**.

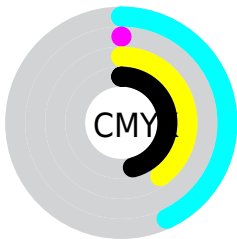
Distribution



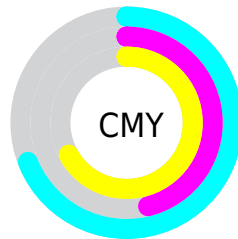
- Red (31%)
- Green (54%)
- Blue (33%)



- Red (31%)
- Yellow (52%)
- Blue (54%)



- Cyan (43%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)



- Cyan (69%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4212, 0.3024, 0.4477 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 20.4212, 0.3024, 0.4477 by changing the saturation by 10% instead.

■ 20.4212, 0.3024,
0.4477

■ 20.4212, 0.3024,
0.4477

■ 254.1863, 0.3104,
0.3766

■ 12.7016, 0.2987,
0.4708

■ 44.1222, 0.3063,
0.4183

■ 7.2234, 0.2923,
0.5046

■ 60.8724, 0.3075,
0.4084

■ 3.6022, 0.2798,
0.5579

■ 81.4016, 0.3083,
0.4005

■ 1.4536, 0.2641,
0.7359

■ 106.0942, 0.3089,
0.3940

■ 0.2557, 0.0000,
1.0000

■ 135.3346, 0.3094,
0.3886

■ 0.0000, 0.0000,
0.0000

169.5071, 0.3098,

0.3840

208.9962, 0.3101,
0.3800

■ 20.4212, 0.3024,
0.4477

■ 20.4212, 0.3024,
0.4477

■ 19.7208, 0.3004,
0.4803

■ 21.2813, 0.3047,
0.4162

■ 19.1680, 0.2988,
0.5122

■ 22.3074, 0.3071,
0.3868

■ 18.7528, 0.2978,
0.5416


■ 23.5086, 0.3096,
0.3602

■ 18.4630, 0.2975,
0.5661


■ 24.8925, 0.3119,
0.3365

■ 18.2843, 0.2980,
0.5842


■ 26.4663, 0.3142,
0.3157

 18.2017, 0.2979,
0.5926

 28.2367, 0.3162,
0.2976

 30.2104, 0.3181,
0.2819

 32.3933, 0.3199,
0.2684

 34.7916, 0.3215,
0.2567

Harmonies

Analogous

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



20.4212, 0.3720, 0.4612



20.4212, 0.3024, 0.4477



20.4212, 0.2393, 0.3865

Triad

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



20.4212, 0.3024, 0.4477



20.4212, 0.2023, 0.2229



20.4212, 0.4406, 0.3273

Complementary

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



20.4212, 0.3024, 0.4477



12.5503, 0.3248, 0.2337

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.



20.4212, 0.3839, 0.2776



20.4212, 0.3024, 0.4477



20.4212, 0.2444, 0.2201

Square

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



20.4212, 0.3024, 0.4477



20.4212, 0.1867, 0.2522



20.4212, 0.3096, 0.2397



20.4212, 0.4565, 0.3814

Rectangle

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



20.4212, 0.3024, 0.4477



20.4212, 0.2092, 0.3346



20.4212, 0.3096, 0.2397



20.4212, 0.4254, 0.3099

Sweetspot

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



20.4221, 0.3024, 0.4477



41.4798, 0.3096, 0.3598



23.7954, 0.3702, 0.4340



9.2050, 0.3091, 0.3647



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.



20.4221, 0.3024, 0.4477



34.8005, 0.3004, 0.4791



20.9676, 0.2771, 0.3833



5.6145, 0.3106, 0.3496



16.6899, 0.2979, 0.5923



0.1116, 0.2884, 0.5583

Inverse Universe

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



12.5503, 0.3248, 0.2337



19.0615, 0.3280, 0.2148



11.8559, 0.3729, 0.2815



5.1219, 0.3149, 0.3092



6.3493, 0.3423, 0.1659



0.0432, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 20.4212, 0.3024, 0.4477 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 20.4212, 0.3024, 0.4477 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 20.4212, 0.3024, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 20.4212, 0.3024, 0.4477.



This preview shows how white text looks on a background with the Yxy color 20.4212, 0.3024, 0.4477.

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

20.4212, 0.3024, 0.4477

Protanopia

20.1163, 0.3806, 0.4122

Deuteranopia

20.1777, 0.3908, 0.3841



Tritanopia

20.3593, 0.2601, 0.3076

Trichromacy



Original Color

20.4212, 0.3024, 0.4477

Protanomaly

19.8571, 0.3480, 0.4256

Deuteranomaly

19.8045, 0.3545, 0.4056

Tritanomaly

20.4091, 0.2754, 0.3554

Monochromacy



Original Color

20.4212, 0.3024, 0.4477

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.9119, 0.3084, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4212, 0.3024, 0.4477 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(78, 138, 83)` looks like.

```
.text, #text, p{  
    color:rgb(78, 138, 83)  
}
```

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(78, 138, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 138, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.4212, 0.3024, 0.4477 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(78, 138, 83) }
```

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

```
.border{ border-color:rgb(78, 138, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 138, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 138, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 138, 83);  
box-shadow:4px 4px 4px 4px rgb(78, 138,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4212, 0.3024, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 138, 83) }
```

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

```
.background{ background-color: rgb(78, 138,  
83) }
```

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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