

Converting Colors

$Yxy(21.0697, 0.3068, 0.4568)$

Have a look what the booklet for
Yxy(21.0697, 0.3068, 0.4568)
contains.

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Color

Yxy(21.0408, 0.3067, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	508C50
RGB	80, 140, 80
RGB Percent	31%, 55%, 31%
CMY	0.6864, 0.4510, 0.6862
CMYK	0.43, 0.00, 0.43, 0.45
HSL	120°, 27%, 43%
HSV	120°, 43%, 55%
XYZ	14.1332, 21.0408, 10.9075
YIQ	115.2200, -16.5000, -31.3800

Conversions

Conversions Part 2

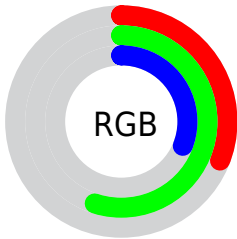
Format	Color
R_{YB}	80, 140, 140
Decimal	5278800
CIE _{Lab}	52.99, -32.50, 26.07
CIE _{LCh}	53, 41.660, 141.262
Yxy	21.0408, 0.3067, 0.4566
Android (android.graphics.Color)	4283468880 (0xFF508C50)
YUV	115.2200, -17.3635, -30.8879
Hunter-Lab	45.8703, -25.2749, 18.0106

Details

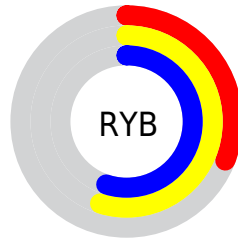
The Yxy color **21.0408, 0.3067, 0.4566** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.2028, 0.3175, 0.2276**, and the grayscale version is **17.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1008, 0.3097, 0.4254**, and **7.4933, 0.2967, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **20.3088, 0.3051, 0.4914**, and if you desaturate by 10%, it is **21.9446, 0.3083, 0.4225**.

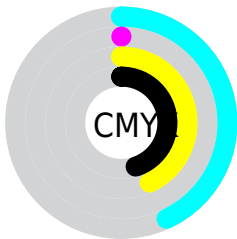
Distribution



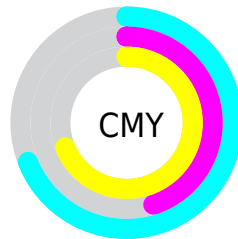
- Red (31%)
- Green (55%)
- Blue (31%)



- Red (31%)
- Yellow (55%)
- Blue (55%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (45%)





- Cyan (69%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0408, 0.3067, 0.4566 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 21.0408, 0.3067, 0.4566 by changing the saturation by 10% instead.


 21.0408, 0.3067,
0.4566


 21.0408, 0.3067,
0.4566


257.4952, 0.3126,
0.3805


 13.1538, 0.3034,
0.4811


 45.1554, 0.3099,
0.4252

 7.5346, 0.2975,
0.5166


 62.1519, 0.3108,
0.4146


 3.7986, 0.2853,
0.5718

 82.9536, 0.3113,
0.4061

 1.5615, 0.2688,
0.7312

 107.9450, 0.3117,
0.3992

 0.3315, 0.0000,
1.0000

 137.5105, 0.3121,
0.3933

 0.0000, 0.0000,
0.0000

172.0344, 0.3123,

0.3884

211.9012, 0.3124,
0.3841

■ 21.0408, 0.3067,
0.4566

■ 21.0408, 0.3067,
0.4566

■ 20.3088, 0.3051,
0.4914

■ 21.9446, 0.3083,
0.4225

■ 19.7354, 0.3035,
0.5248

■ 23.0273, 0.3098,
0.3905

■ 19.3096, 0.3021,
0.5541


■ 24.2988, 0.3112,
0.3615


■ 19.0178, 0.3011,
0.5771

■ 25.7675, 0.3124,
0.3358


■ 18.8442, 0.3004,
0.5921


■ 27.4413, 0.3135,
0.3133

 18.7580, 0.3000,
0.6000

 29.3276, 0.3144,
0.2938

 31.4336, 0.3152,
0.2770

 33.7659, 0.3159,
0.2625

 36.3310, 0.3165,
0.2501

Harmonies

Analogous

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



21.0408, 0.3788, 0.4661



21.0408, 0.3067, 0.4566



21.0408, 0.2401, 0.3950

Triad

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



21.0408, 0.3067, 0.4566



21.0408, 0.1960, 0.2199



21.0408, 0.4433, 0.3228

Complementary

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



21.0408, 0.3067, 0.4566



13.2028, 0.3175, 0.2276

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.



21.0408, 0.3817, 0.2721



21.0408, 0.3067, 0.4566



21.0408, 0.2375, 0.2154

Square

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



21.0408, 0.3067, 0.4566



21.0408, 0.1819, 0.2520



21.0408, 0.3038, 0.2342



21.0408, 0.4631, 0.3786

Rectangle

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



21.0408, 0.3067, 0.4566



21.0408, 0.2077, 0.3404



21.0408, 0.3038, 0.2342



21.0408, 0.4265, 0.3050

Sweetspot

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



21.0417, 0.3067, 0.4566



42.7403, 0.3111, 0.3626



24.9126, 0.3744, 0.4310



9.7396, 0.3109, 0.3682



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.



21.0417, 0.3067, 0.4566



35.8951, 0.3052, 0.4886



21.5880, 0.2809, 0.3912



5.6083, 0.3117, 0.3515



16.6659, 0.3000, 0.6000



0.1107, 0.2999, 0.5997

Inverse Universe

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



13.2028, 0.3175, 0.2276



20.2634, 0.3184, 0.2084



12.4358, 0.3649, 0.2750



5.1289, 0.3137, 0.3075



6.6345, 0.3210, 0.1542



0.0441, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.0408, 0.3067, 0.4566 looks on a white background.

Color Contrast Check

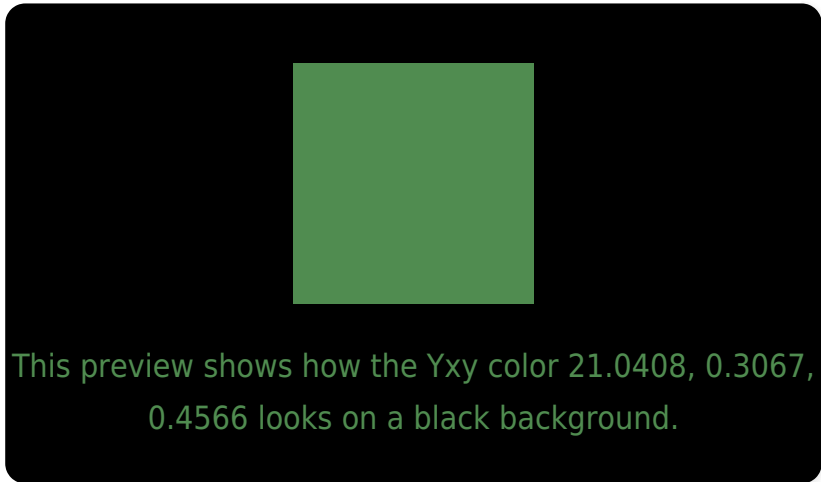
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 21.0408, 0.3067, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 21.0408, 0.3067, 0.4566.



This preview shows how white text looks on a background with the Yxy color 21.0408, 0.3067, 0.4566.

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

21.0408, 0.3067, 0.4566

Protanopia

20.8330, 0.3865, 0.4191

Deuteranopia

20.6681, 0.3965, 0.3881



Tritanopia

21.0854, 0.2624, 0.3098

Trichromacy



Original Color

21.0408, 0.3067, 0.4566

Protanomaly

20.5503, 0.3539, 0.4331

Deuteranomaly

20.1633, 0.3599, 0.4122

Tritanomaly

21.0391, 0.2785, 0.3613

Monochromacy



Original Color

21.0408, 0.3067, 0.4566

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1994, 0.3106, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0408, 0.3067, 0.4566 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(80, 140, 80)` looks like.

```
.text, #text, p{  
    color:rgb(80, 140, 80)  
}
```

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(80, 140, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 140, 80) }
```

Border

The CSS property to change the border of an element to Yxy 21.0408, 0.3067, 0.4566 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(80, 140, 80) }
```

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

```
.border{ border-color:rgb(80, 140, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 140, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 140, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 140, 80);  
box-shadow:4px 4px 4px 4px rgb(80, 140,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0408, 0.3067, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 140, 80) }
```

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

```
.background{ background-color: rgb(80, 140,  
80) }
```

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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