

Converting Colors

$Y_{xy}(21.3222, 0.3368, 0.4794)$

Have a look what the booklet for
Yxy(21.3222, 0.3368, 0.4794)
contains.

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Color

Yxy(21.3222, 0.3368, 0.4794)

Conversions

Conversions Part 1

Format	Color
Hex	608B40
RGB	96, 139, 64
RGB Percent	38%, 55%, 25%
CMY	0.6236, 0.4549, 0.7491
CMYK	0.31, 0.00, 0.54, 0.45
HSL	94°, 37%, 40%
HSV	94°, 54%, 55%
XYZ	14.9798, 21.3222, 8.1748
YIQ	117.5930, -1.5530, -32.4410

Conversions

Conversions Part 2

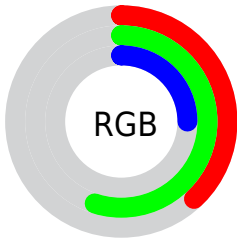
Format	Color
RYB	64, 139, 107
Decimal	6327104
CIELab	53.30, -28.63, 35.11
CIElCh	53, 45.303, 129.193
Yxy	21.3222, 0.3368, 0.4794
Android (android.graphics.Color)	4284517184 (0xFF608B40)
YUV	117.5930, -26.4213, -18.9371
Hunter-Lab	46.1760, -22.9013, 21.8267

Details

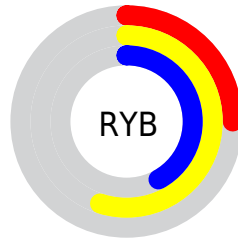
The Yxy color **21.3222, 0.3368, 0.4794** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.6572, 0.2692, 0.1856**, and the grayscale version is **18.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7444, 0.3344, 0.4434**, and **7.7371, 0.3345, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **20.7735, 0.3381, 0.5077**, and if you desaturate by 10%, it is **21.9561, 0.3340, 0.4496**.

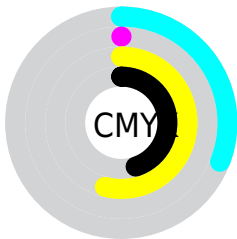
Distribution



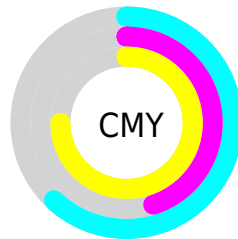
- Red (38%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (42%)



- Cyan (31%)
- Magenta (0%)
- Yellow (54%)
- Black (45%)





- Cyan (62%)
- Magenta (45%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3222, 0.3368, 0.4794 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 21.3222, 0.3368, 0.4794 by changing the saturation by 10% instead.


 21.3222, 0.3368,
0.4794


 21.3222, 0.3368,
0.4794


 258.9859, 0.3269,
0.3908


 13.3597, 0.3372,
0.5066


 45.6232, 0.3343,
0.4435


 7.6767, 0.3354,
0.5447


 62.7304, 0.3330,
0.4312

 3.8888, 0.3333,
0.6111

 83.6547, 0.3317,
0.4212

 1.6115, 0.3030,
0.6970

 108.7805, 0.3306,
0.4130

 0.3654, 0.0000,
1.0000

 138.4921, 0.3295,
0.4061

 0.0000, 0.0000,
0.0000

 173.1739, 0.3285,

0.4002

213.2104, 0.3277,
0.3952

■ 21.3222, 0.3368,
0.4794

■ 21.3222, 0.3368,
0.4794

■ 20.7735, 0.3381,
0.5077

■ 21.9561, 0.3340,
0.4496

■ 20.3028, 0.3377,
0.5330

■ 22.6764, 0.3300,
0.4198

■ 19.9064, 0.3355,
0.5538

■ 23.4875, 0.3253,
0.3908

■ 19.5786, 0.3314,
0.5692

■ 24.3930, 0.3202,
0.3636

■ 19.4056, 0.3288,
0.5772

■ 25.3960, 0.3148,
0.3384

■ 26.4996, 0.3095,
0.3154

■ 27.7066, 0.3043,
0.2947

■ 29.0200, 0.2993,
0.2762

■ 30.4423, 0.2945,
0.2597

Harmonies

Analogous

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



21.3222, 0.4108, 0.4652



21.3222, 0.3368, 0.4794



21.3222, 0.2605, 0.4336

Triad

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



21.3222, 0.3368, 0.4794



21.3222, 0.1785, 0.2217



21.3222, 0.4315, 0.2988

Complementary

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



21.3222, 0.3368, 0.4794



8.6572, 0.2692, 0.1856

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.



21.3222, 0.3532, 0.2497



21.3222, 0.3368, 0.4794



21.3222, 0.2107, 0.2063

Square

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



21.3222, 0.3368, 0.4794



21.3222, 0.1752, 0.2683



21.3222, 0.2714, 0.2170



21.3222, 0.4729, 0.3565

Rectangle

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



21.3222, 0.3368, 0.4794



21.3222, 0.2188, 0.3771



21.3222, 0.2714, 0.2170



21.3222, 0.4080, 0.2810

Sweetspot

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



21.3231, 0.3368, 0.4794



43.2765, 0.3214, 0.3699



16.2712, 0.4179, 0.4052



9.9036, 0.3224, 0.3747



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.



21.3231, 0.3368, 0.4794



36.9781, 0.3382, 0.5142



19.9868, 0.3012, 0.4846



5.7057, 0.3176, 0.3512



17.5221, 0.3291, 0.5769



0.1247, 0.3637, 0.5494

Inverse Universe

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



8.6572, 0.2692, 0.1856



11.7492, 0.2556, 0.1542



10.8768, 0.3263, 0.2115



5.0245, 0.3074, 0.3070



3.2215, 0.2199, 0.0985



0.0301, 0.2652, 0.1234

Previews

White Background



This preview shows how the Yxy color 21.3222, 0.3368, 0.4794 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 21.3222, 0.3368, 0.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

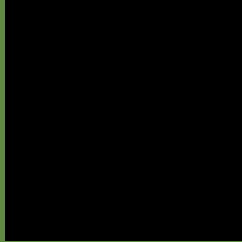
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3222, 0.3368, 0.4794

Background



This preview shows how black text looks on a background with the Yxy color 21.3222, 0.3368, 0.4794.



This preview shows how white text looks on a background with the Yxy color 21.3222, 0.3368, 0.4794.

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

21.3222, 0.3368, 0.4794

Protanopia

21.1677, 0.4048, 0.4420

Deuteranopia

21.0730, 0.4196, 0.4126



Tritanopia

21.3438, 0.2779, 0.3104

Trichromacy



Original Color

21.3222, 0.3368, 0.4794

Protanomaly

20.9295, 0.3796, 0.4562

Deuteranomaly

20.9119, 0.3880, 0.4371

Tritanomaly

21.1855, 0.3009, 0.3703

Monochromacy



Original Color

21.3222, 0.3368, 0.4794

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1185, 0.3244, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3222, 0.3368, 0.4794 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(96, 139, 64)` looks like.

```
.text, #text, p{  
    color:rgb(96, 139, 64)  
}
```

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(96, 139, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 139, 64) }
```

Border

The CSS property to change the border of an element to Yxy 21.3222, 0.3368, 0.4794 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(96, 139, 64) }
```

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

```
.border{ border-color:rgb(96, 139, 64) }
```

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

Here you see how a box with a 4 pixel rgb(96, 139, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 139, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 139, 64);  
box-shadow:4px 4px 4px 4px rgb(96, 139,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3222, 0.3368, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 139, 64) }
```

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

```
.background{ background-color: rgb(96, 139,  
64) }
```

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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