

Converting Colors

$Yxy(33.1560, 0.3404, 0.4522)$

Have a look what the booklet for
Yxy(33.1560, 0.3404, 0.4522)
contains.

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Color

Yxy(33.1560, 0.3404, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	82A75C
RGB	130, 167, 92
RGB Percent	51%, 65%, 36%
CMY	0.4901, 0.3451, 0.6393
CMYK	0.22, 0.00, 0.45, 0.35
HSL	90°, 30%, 51%
HSV	90°, 45%, 65%
XYZ	24.9587, 33.1560, 15.2069
YIQ	147.3870, 2.0230, -31.1690

Conversions

Conversions Part 2

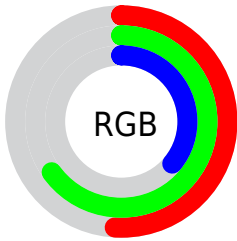
Format	Color
RYB	92, 167, 129
Decimal	8562524
CIELab	64.29, -25.88, 34.66
CIELCh	64, 43.257, 126.751
Yxy	33.1560, 0.3404, 0.4522
Android (android.graphics.Color)	4286752604 (0xFF82A75C)
YUV	147.3870, -27.3058, -15.2484
Hunter-Lab	57.5812, -23.3962, 24.6487

Details

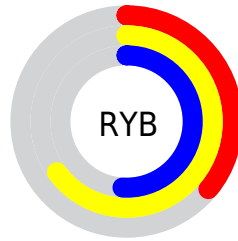
The Yxy color **33.1560, 0.3404, 0.4522** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.1072, 0.2705, 0.2059**, and the grayscale version is **29.4630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4465, 0.3361, 0.4254**, and **14.0982, 0.3450, 0.4968** is the 20% darker color. If you saturate the color by 10%, you get **32.2716, 0.3443, 0.4810**, and if you desaturate by 10%, it is **34.1598, 0.3353, 0.4228**.

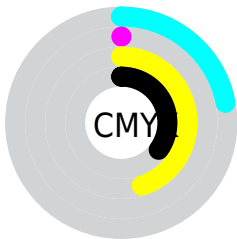
Distribution



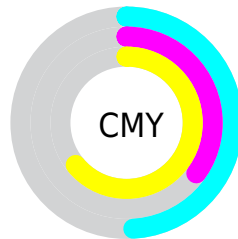
- Red (51%)
- Green (65%)
- Blue (36%)



- Red (36%)
- Yellow (65%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)





- Cyan (49%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1560, 0.3404, 0.4522 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 33.1560, 0.3404, 0.4522 by changing the saturation by 10% instead.


 33.1560, 0.3404,
0.4522


 33.1560, 0.3404,
0.4522

316.3521, 0.3282,
0.3846


 22.2460, 0.3424,
0.4709


 64.6190, 0.3366,
0.4262


 14.0378, 0.3441,
0.4960


 85.9408, 0.3350,
0.4169

 8.1469, 0.3444,
0.5306


 111.5019, 0.3335,
0.4091

 4.1891, 0.3433,
0.5861

 141.6868, 0.3322,
0.4026

 1.7799, 0.3288,
0.6712

176.8799, 0.3310,
0.3971

 0.4746, 0.0000,
1.0000

217.4656, 0.3300,

 0.0000, 0.0000,

0.3923

0.0000

263.8282, 0.3290,
0.3882

■ 33.1560, 0.3404,
0.4522

■ 33.1560, 0.3404,
0.4522

■ 32.2716, 0.3443,
0.4810

■ 34.1598, 0.3353,
0.4228

■ 31.4966, 0.3464,
0.5080

■ 35.2837, 0.3292,
0.3940

■ 30.8267, 0.3466,
0.5315


■ 36.5339, 0.3227,
0.3665

■ 30.2548, 0.3445,
0.5505


■ 37.9147, 0.3160,
0.3408

■ 29.7728, 0.3405,
0.5640


■ 39.4304, 0.3093,
0.3173

 29.5534, 0.3381,
0.5698

 41.0850, 0.3028,
0.2960

 42.8822, 0.2966,
0.2767

 44.8257, 0.2908,
0.2595

 46.9191, 0.2853,
0.2442

Harmonies

Analogous

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



33.1560, 0.4012, 0.4412



33.1560, 0.3404, 0.4522



33.1560, 0.2755, 0.4179

Triad

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



33.1560, 0.3404, 0.4522



33.1560, 0.1973, 0.2416



33.1560, 0.4063, 0.3009

Complementary

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



33.1560, 0.3404, 0.4522



15.1072, 0.2705, 0.2059

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.



33.1560, 0.3411, 0.2590



33.1560, 0.3404, 0.4522



33.1560, 0.2235, 0.2251

Square

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



33.1560, 0.3404, 0.4522



33.1560, 0.1971, 0.2846



33.1560, 0.2739, 0.2321



33.1560, 0.4440, 0.3508

Rectangle

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



33.1560, 0.3404, 0.4522



33.1560, 0.2387, 0.3746



33.1560, 0.2739, 0.2321



33.1560, 0.3864, 0.2857

Sweetspot

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



33.1574, 0.3404, 0.4522



65.8293, 0.3216, 0.3620



24.4903, 0.4028, 0.3850



14.6178, 0.3230, 0.3677



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.1574, 0.3404, 0.4522



57.7875, 0.3443, 0.4812



30.7495, 0.3073, 0.4657



8.5876, 0.3190, 0.3518



22.6440, 0.3387, 0.5692



0.5813, 0.3649, 0.5485

Inverse Universe

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



15.1072, 0.2705, 0.2059



21.2633, 0.2579, 0.1769



18.5226, 0.3162, 0.2212



7.4753, 0.3060, 0.3062



3.5478, 0.2027, 0.0890



0.1168, 0.2407, 0.1100

Previews

White Background



This preview shows how the Yxy color 33.1560, 0.3404, 0.4522 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.1560, 0.3404, 0.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

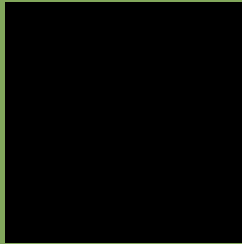
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1560, 0.3404, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 33.1560, 0.3404, 0.4522.



This preview shows how white text looks on a background with the Yxy color 33.1560, 0.3404, 0.4522.

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

33.1560, 0.3404, 0.4522

Protanopia

32.8052, 0.3930, 0.4258

Deuteranopia

32.7157, 0.4089, 0.4001



Tritanopia

33.0567, 0.2858, 0.3092

Trichromacy



Original Color

33.1560, 0.3404, 0.4522

Protanomaly

32.5855, 0.3733, 0.4358

Deuteranomaly

32.4844, 0.3824, 0.4179

Tritanomaly

32.7611, 0.3066, 0.3594

Monochromacy



Original Color

33.1560, 0.3404, 0.4522

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3062, 0.3247, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1560, 0.3404, 0.4522 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(130, 167, 92)` looks like.

```
.text, #text, p{  
    color:rgb(130, 167, 92)  
}
```

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(130, 167, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 167, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.1560, 0.3404, 0.4522 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(130, 167, 92) }
```

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

```
.border{ border-color:rgb(130, 167, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 167, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 167, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 167, 92);  
box-shadow:4px 4px 4px 4px rgb(130, 167,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1560, 0.3404, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 167, 92) }
```

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

```
.background{ background-color: rgb(130,  
167, 92) }
```

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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