

Converting Colors

Yxy(33.1557, 0.3145, 0.4814)

Have a look what the booklet for
Yxy(33.1557, 0.3145, 0.4814)
contains.

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Color

Yxy(33.1557, 0.3145, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	62AD56
RGB	98, 173, 86
RGB Percent	38%, 68%, 34%
CMY	0.6156, 0.3216, 0.6628
CMYK	0.43, 0.00, 0.50, 0.32
HSL	112°, 35%, 51%
HSV	112°, 50%, 68%
XYZ	21.6607, 33.1557, 14.0571
YIQ	140.6570, -16.7730, -42.9570

Conversions

Conversions Part 2

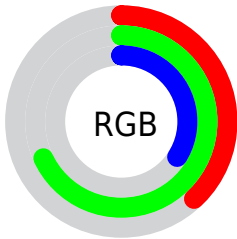
Format	Color
RYB	86, 173, 161
Decimal	6466902
CIELab	64.29, -40.65, 37.34
CIELCh	64, 55.203, 137.431
Yxy	33.1557, 0.3145, 0.4814
Android (android.graphics.Color)	4284656982 (0xFF62AD56)
YUV	140.6570, -26.9459, -37.4102
Hunter-Lab	57.5810, -33.6189, 25.8324

Details

The Yxy color **33.1557, 0.3145, 0.4814** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.2428, 0.3031, 0.2045**, and the grayscale version is **26.6082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6171, 0.3171, 0.4487**, and **14.0801, 0.3075, 0.5380** is the 20% darker color. If you saturate the color by 10%, you get **32.1576, 0.3134, 0.5146**, and if you desaturate by 10%, it is **34.3785, 0.3150, 0.4473**.

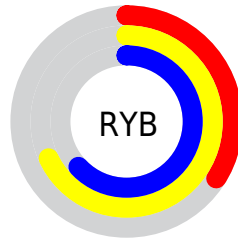
Distribution



Red (38%)

Green (68%)

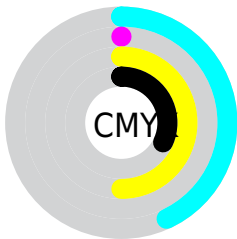
Blue (34%)



Red (34%)

Yellow (68%)

Blue (63%)

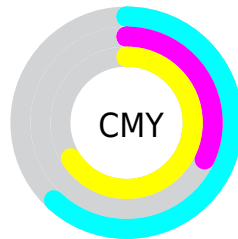


Cyan (43%)

Magenta (0%)

Yellow (50%)

Black (32%)



Cyan (62%)


Magenta (32%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1557, 0.3145, 0.4814 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 33.1557, 0.3145, 0.4814 by changing the saturation by 10% instead.

 33.1557, 0.3145,
0.4814

 33.1557, 0.3145,
0.4814

316.3507, 0.3173,
0.3960


 22.2457, 0.3120,
0.5057


 64.6185, 0.3167,
0.4481


 14.0376, 0.3072,
0.5385


 85.9402, 0.3171,
0.4363


 8.1468, 0.2980,
0.5846


 111.5013, 0.3174,
0.4266

 4.1890, 0.2842,
0.6655

 141.6861, 0.3175,
0.4185

 1.7799, 0.2230,
0.7770

 176.8790, 0.3175,
0.4116

 0.4746, 0.0000,
1.0000

217.4645, 0.3174,

 0.0000, 0.0000,

0.4057

0.0000

263.8270, 0.3174,
0.4005

■ 33.1557, 0.3145,
0.4814

■ 33.1557, 0.3145,
0.4814

■ 32.1576, 0.3134,
0.5146

■ 34.3785, 0.3150,
0.4473

■ 31.3666, 0.3116,
0.5446

■ 35.8342, 0.3149,
0.4142

■ 30.7688, 0.3092,
0.5691

■ 37.5357, 0.3145,
0.3832

■ 30.3473, 0.3064,
0.5864

■ 39.4937, 0.3137,
0.3549

■ 30.0814, 0.3040,
0.5969

■ 41.7183, 0.3127,
0.3297

■ 44.2189, 0.3117,
0.3075

■ 47.0047, 0.3106,
0.2881

■ 50.0842, 0.3094,
0.2712

■ 53.4658, 0.3083,
0.2565

Harmonies

Analogous

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



33.1557, 0.3946, 0.4809



33.1557, 0.3145, 0.4814



33.1557, 0.2382, 0.4164

Triad

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



33.1557, 0.3145, 0.4814



33.1557, 0.1791, 0.2095



33.1557, 0.4547, 0.3128

Complementary

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



33.1557, 0.3145, 0.4814



17.2428, 0.3031, 0.2045

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.



33.1557, 0.3796, 0.2588



33.1557, 0.3145, 0.4814



33.1557, 0.2205, 0.2017

Square

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



33.1557, 0.3145, 0.4814



33.1557, 0.1673, 0.2480



33.1557, 0.2912, 0.2195



33.1557, 0.4830, 0.3737

Rectangle

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



33.1557, 0.3145, 0.4814



33.1557, 0.2001, 0.3530



33.1557, 0.2912, 0.2195



33.1557, 0.4336, 0.2936

Sweetspot

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



33.1571, 0.3145, 0.4814



68.9316, 0.3141, 0.3686



34.6799, 0.3935, 0.4336



14.8274, 0.3143, 0.3744



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.1571, 0.3145, 0.4814



57.4729, 0.3133, 0.5169



33.1366, 0.2852, 0.4304



8.9905, 0.3136, 0.3523



22.1140, 0.3044, 0.5965



0.6313, 0.3195, 0.5845

Inverse Universe

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



17.2428, 0.3031, 0.2045



25.7653, 0.2999, 0.1817



17.5060, 0.3598, 0.2472



8.0911, 0.3116, 0.3065



6.9339, 0.2868, 0.1353



0.2080, 0.2978, 0.1414

Previews

White Background



This preview shows how the Yxy color 33.1557, 0.3145, 0.4814 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 33.1557, 0.3145, 0.4814 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 33.1557, 0.3145, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 33.1557, 0.3145, 0.4814.



This preview shows how white text looks on a background with the Yxy color 33.1557, 0.3145, 0.4814.

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

33.1557, 0.3145, 0.4814

Protanopia

32.6798, 0.3997, 0.4360

Deuteranopia

32.6439, 0.4128, 0.4051



Tritanopia

32.9738, 0.2619, 0.3083

Trichromacy



Original Color

33.1557, 0.3145, 0.4814



Protanomaly

32.3791, 0.3645, 0.4548



Deuteranomaly

31.8207, 0.3725, 0.4323



Tritanomaly

32.8718, 0.2819, 0.3695

Monochromacy



Original Color

33.1557, 0.3145, 0.4814



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.5229, 0.3141, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1557, 0.3145, 0.4814 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(98, 173, 86)` looks like.

```
.text, #text, p{  
    color:rgb(98, 173, 86)  
}
```

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(98, 173, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 173, 86) }
```

Border

The CSS property to change the border of an element to Yxy 33.1557, 0.3145, 0.4814 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(98, 173, 86) }
```

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

```
.border{ border-color:rgb(98, 173, 86) }
```

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

Here you see how a box with a 4 pixel rgb(98, 173, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 173, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 173, 86);  
box-shadow:4px 4px 4px 4px rgb(98, 173,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1557, 0.3145, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 173, 86) }
```

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

```
.background{ background-color: rgb(98, 173,  
86) }
```

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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