

Converting Colors

$Yxy(34.6470, 0.3103, 0.4561)$

Have a look what the booklet for
Yxy(34.6470, 0.3103, 0.4561)
contains.

Yxy(34.6637, 0.3106, 0.4558)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6637, 0.3106, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	6AAF65
RGB	106, 175, 101
RGB Percent	42%, 69%, 40%
CMY	0.5844, 0.3137, 0.6038
CMYK	0.39, 0.00, 0.42, 0.31
HSL	116°, 32%, 54%
HSV	116°, 42%, 69%
XYZ	23.6212, 34.6637, 17.7653
YIQ	145.9330, -17.3700, -37.6420

Conversions

Conversions Part 2

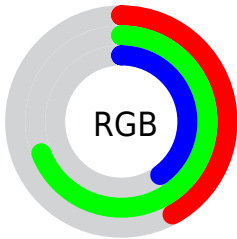
Format	Color
RYB	101, 175, 170
Decimal	6991717
CIELab	65.49, -36.87, 31.21
CIELCh	65, 48.307, 139.759
Yxy	34.6637, 0.3106, 0.4558
Android (android.graphics.Color)	4285181797 (0xFF6AAF65)
YUV	145.9330, -22.1520, -35.0212
Hunter-Lab	58.8759, -31.4180, 23.3228

Details

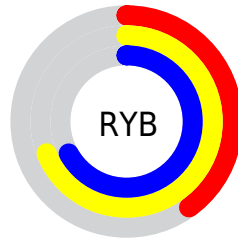
The Yxy color **34.6637, 0.3106, 0.4558** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9627, 0.3116, 0.2253**, and the grayscale version is **28.8124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9253, 0.3125, 0.4284**, and **14.9239, 0.3054, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **33.4509, 0.3094, 0.4906**, and if you desaturate by 10%, it is **36.1430, 0.3115, 0.4216**.

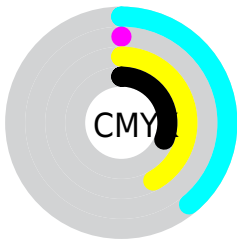
Distribution



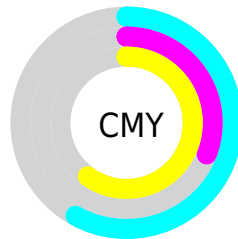
- Red (42%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)




- Cyan (58%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6637, 0.3106, 0.4558 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 34.6637, 0.3106, 0.4558 by changing the saturation by 10% instead.


 34.6637, 0.3106,
0.4558


 34.6637, 0.3106,
0.4558


323.0814, 0.3142,
0.3854


 23.4039, 0.3085,
0.4757


 66.9645, 0.3127,
0.4285

 14.8921, 0.3049,
0.5028


 88.7742, 0.3132,
0.4188

 8.7437, 0.2982,
0.5411


 114.8695, 0.3136,
0.4108

 4.5744, 0.2847,
0.5988

 145.6346, 0.3138,
0.4040

 1.9998, 0.2672,
0.7328

181.4539, 0.3140,
0.3983

 0.6073, 0.0000,
1.0000

222.7119, 0.3141,

 0.0000, 0.0000,

0.3934


0.0000

269.7930, 0.3142,
0.3892

 34.6637, 0.3106,
0.4558

 34.6637, 0.3106,
0.4558

 33.4509, 0.3094,
0.4906


 36.1430, 0.3115,
0.4216


 32.4847, 0.3079,
0.5240


 37.8987, 0.3121,
0.3896


 31.7495, 0.3061,
0.5534

 39.9456, 0.3125,
0.3604


 31.2258, 0.3043,
0.5765


 42.2959, 0.3127,
0.3344

 30.8911, 0.3025,
0.5917

 44.9613, 0.3127,
0.3117

 30.7385, 0.3015,
0.5988

 47.9530, 0.3127,
0.2919

 51.2815, 0.3125,
0.2748

 54.9566, 0.3124,
0.2600

 58.7583, 0.3148,
0.2504

Harmonies

Analogous

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



34.6637, 0.3813, 0.4628



34.6637, 0.3106, 0.4558



34.6637, 0.2443, 0.3975

Triad

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



34.6637, 0.3106, 0.4558



34.6637, 0.1964, 0.2226



34.6637, 0.4388, 0.3204

Complementary

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



34.6637, 0.3106, 0.4558



20.9627, 0.3116, 0.2253

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.



34.6637, 0.3768, 0.2709



34.6637, 0.3106, 0.4558



34.6637, 0.2361, 0.2167

Square

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



34.6637, 0.3106, 0.4558



34.6637, 0.1839, 0.2558



34.6637, 0.3003, 0.2342



34.6637, 0.4606, 0.3754

Rectangle

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



34.6637, 0.3106, 0.4558



34.6637, 0.2114, 0.3443



34.6637, 0.3003, 0.2342



34.6637, 0.4216, 0.3029

Sweetspot

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



34.6652, 0.3106, 0.4558



71.1616, 0.3125, 0.3631



38.3723, 0.3778, 0.4241



15.6316, 0.3124, 0.3692



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.6652, 0.3106, 0.4558



59.9801, 0.3094, 0.4893



35.0932, 0.2851, 0.4025



8.9639, 0.3126, 0.3523



22.0214, 0.3018, 0.5986



0.6207, 0.3097, 0.5923

Inverse Universe

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



20.9627, 0.3116, 0.2253



32.0520, 0.3108, 0.2040



20.4475, 0.3566, 0.2663



8.1205, 0.3127, 0.3066



7.8275, 0.3045, 0.1451



0.2257, 0.3098, 0.1480

Previews

White Background



This preview shows how the Yxy color 34.6637, 0.3106, 0.4558 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 34.6637, 0.3106, 0.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

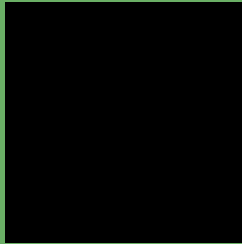
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6637, 0.3106, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 34.6637, 0.3106, 0.4558.



This preview shows how white text looks on a background with the Yxy color 34.6637, 0.3106, 0.4558.

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

34.6637, 0.3106, 0.4558

Protanopia

34.1642, 0.3871, 0.4195

Deuteranopia

34.0136, 0.3973, 0.3893



Tritanopia

34.5921, 0.2648, 0.3088

Trichromacy



Original Color

34.6637, 0.3106, 0.4558

Protanomaly

33.8035, 0.3568, 0.4334

Deuteranomaly

33.5325, 0.3621, 0.4128

Tritanomaly

34.3233, 0.2816, 0.3584

Monochromacy



Original Color

34.6637, 0.3106, 0.4558

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.5509, 0.3116, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6637, 0.3106, 0.4558 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(106, 175, 101)` looks like.

```
.text, #text, p{  
    color:rgb(106, 175, 101)  
}
```

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(106, 175, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 175, 101) }
```

Border

The CSS property to change the border of an element to Yxy 34.6637, 0.3106, 0.4558 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(106, 175, 101) }
```

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

```
.border{ border-color:rgb(106, 175, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 175, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 175, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 175, 101);  
box-shadow:4px 4px 4px 4px rgb(106, 175,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6637, 0.3106, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 175, 101) }
```

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

```
.background{ background-color: rgb(106,  
175, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor