

Converting Colors

$Y_{xy}(12.0884, 0.3538, 0.4650)$

Have a look what the booklet for
Yxy(12.0884, 0.3538, 0.4650)
contains.

Yxy(12.0072, 0.3536, 0.4634)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.0072, 0.3536, 0.4634)$

Conversions

Conversions Part 1

Format	Color
Hex	546831
RGB	84, 104, 49
RGB Percent	33%, 41%, 19%
CMY	0.6705, 0.5922, 0.8078
CMYK	0.19, 0.00, 0.53, 0.59
HSL	82°, 36%, 30%
HSV	82°, 53%, 41%
XYZ	9.1622, 12.0072, 4.7417
YIQ	91.7500, 5.7350, -21.3450

Conversions

Conversions Part 2

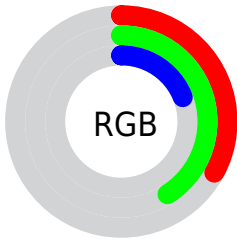
Format	Color
R_{YB}	49, 104, 69
Decimal	5531697
CIE _{Lab}	41.23, -17.41, 28.30
CIE _{LCh}	41, 33.231, 121.601
Yxy	12.0072, 0.3536, 0.4634
Android (android.graphics.Color)	4283721777 (0xFF546831)
YUV	91.7500, -21.0757, -6.7967
Hunter-Lab	34.6514, -13.4429, 16.1427

Details

The Yxy color $12.0072, 0.3536, 0.4634$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $4.4622, 0.2506, 0.1848$, and the grayscale version is $10.6915, 0.3127, 0.3290$.

A 20% lighter version of the original color is $29.4567, 0.3456, 0.4265$, and $3.3240, 0.3642, 0.5412$ is the 20% darker color. If you saturate the color by 10%, you get $11.7600, 0.3585, 0.4880$, and if you desaturate by 10%, it is $12.2851, 0.3473, 0.4373$.

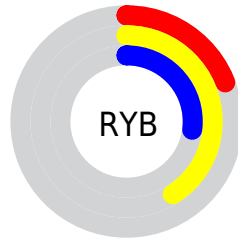
Distribution



 Red (33%)

 Green (41%)

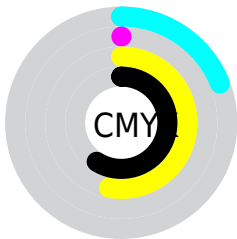
 Blue (19%)




 Red (19%)

 Yellow (41%)

 Blue (27%)

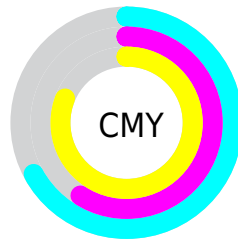


 Cyan (19%)

 Magenta (0%)

 Yellow (53%)

 Black (59%)



 Cyan (67%)


 Magenta (59%)

 Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0072, 0.3536, 0.4634 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 12.0072, 0.3536, 0.4634 by changing the saturation by 10% instead.


 12.0072, 0.3536,
0.4634


 12.0072, 0.3536,
0.4634


 204.4530, 0.3314,
0.3791


 6.7486, 0.3582,
0.4928


 29.5082, 0.3456,
0.4272


 3.3054, 0.3642,
0.5409

 42.5194, 0.3425,
0.4155

 1.2932, 0.3690,
0.6310

 58.8836, 0.3399,
0.4062

 0.1359, 0.0000,
1.0000

 78.9851, 0.3377,
0.3987

 0.0000, 0.0000,
0.0000

 103.2084, 0.3358,
0.3925

 131.9379, 0.3341,

0.3873

165.5580, 0.3327,
0.3829

■ 12.0072, 0.3536,
0.4634

■ 12.0072, 0.3536,
0.4634

■ 11.7600, 0.3585,
0.4880

■ 12.2851, 0.3473,
0.4373

■ 11.5405, 0.3615,
0.5100

■ 12.5936, 0.3399,
0.4108

■ 11.3473, 0.3624,
0.5284

■ 12.9345, 0.3319,
0.3845

■ 11.1781, 0.3612,
0.5428

■ 13.3091, 0.3235,
0.3593

■ 11.0657, 0.3600,
0.5524

■ 13.7185, 0.3151,
0.3355

■ 14.1638, 0.3069,
0.3134

■ 14.6461, 0.2989,
0.2931

■ 15.1663, 0.2914,
0.2745

■ 15.7254, 0.2843,
0.2577

Harmonies

Analogous

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



12.0072, 0.4163, 0.4430



12.0072, 0.3536, 0.4634



12.0072, 0.2836, 0.4355

Triad

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



12.0072, 0.3536, 0.4634



12.0072, 0.1877, 0.2409



12.0072, 0.4028, 0.2901

Complementary

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



12.0072, 0.3536, 0.4634



4.4622, 0.2506, 0.1848

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.



12.0072, 0.3300, 0.2481



12.0072, 0.3536, 0.4634



12.0072, 0.2107, 0.2192

Square

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



12.0072, 0.3536, 0.4634



12.0072, 0.1921, 0.2913



12.0072, 0.2600, 0.2229



12.0072, 0.4502, 0.3419

Rectangle

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



12.0072, 0.3536, 0.4634



12.0072, 0.2422, 0.3914



12.0072, 0.2600, 0.2229



12.0072, 0.3800, 0.2747

Sweetspot

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



12.0077, 0.3536, 0.4634



23.1084, 0.3265, 0.3682



7.3303, 0.4267, 0.3748



5.6143, 0.3277, 0.3719



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.0077, 0.3536, 0.4634



20.5557, 0.3592, 0.4924



10.9997, 0.3153, 0.4812



3.2207, 0.3202, 0.3497



13.6230, 0.3593, 0.5529



70.5445, 0.3559, 0.5556

Inverse Universe

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



4.4622, 0.2506, 0.1848



5.7822, 0.2326, 0.1509



5.6704, 0.3018, 0.2039



2.8076, 0.3048, 0.3081



1.7180, 0.1828, 0.0781



8.5021, 0.1772, 0.0750

Previews

White Background



This preview shows how the Yxy color 12.0072, 0.3536, 0.4634 looks on a white background.

Color Contrast Check

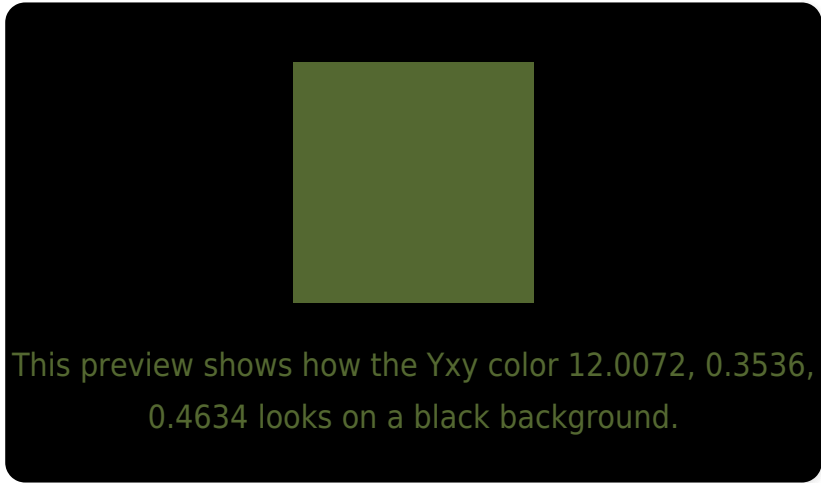
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

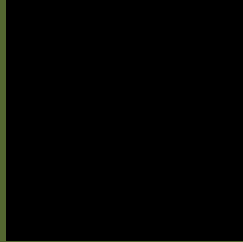
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0072, 0.3536, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 12.0072, 0.3536, 0.4634.



This preview shows how white text looks on a background with the Yxy color 12.0072, 0.3536, 0.4634.

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

12.0072, 0.3536, 0.4634

Protanopia

11.8804, 0.3998, 0.4377

Deuteranopia

11.8242, 0.4189, 0.4109



Tritanopia

12.0001, 0.2920, 0.3106

Trichromacy



Original Color

12.0072, 0.3536, 0.4634

Protanomaly

11.9804, 0.3822, 0.4473

Deuteranomaly

11.6689, 0.3941, 0.4288

Tritanomaly

11.8449, 0.3154, 0.3655

Monochromacy



Original Color

12.0072, 0.3536, 0.4634

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0114, 0.3304, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0072, 0.3536, 0.4634 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(84, 104, 49) looks like.

```
.text, #text, p{  
    color:rgb(84, 104, 49)  
}
```

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(84, 104, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 104, 49) }
```

Border

The CSS property to change the border of an element to Yxy 12.0072, 0.3536, 0.4634 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(84, 104, 49) }
```

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

```
.border{ border-color:rgb(84, 104, 49) }
```

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

Here you see how a box with a 4 pixel rgb(84, 104, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 104, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 104, 49);  
box-shadow:4px 4px 4px 4px rgb(84, 104,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0072, 0.3536, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 104, 49) }
```

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

```
.background{ background-color: rgb(84, 104,  
49) }
```

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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