

Converting Colors

$Y_{xy}(13.4491, 0.3548, 0.4006)$

Have a look what the booklet for
Yxy(13.4491, 0.3548, 0.4006)
contains.

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Color

Yxy(13.5272, 0.3542, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	686949
RGB	104, 105, 73
RGB Percent	41%, 41%, 29%
CMY	0.5922, 0.5882, 0.7137
CMYK	0.01, 0.00, 0.30, 0.59
HSL	62°, 18%, 35%
HSV	62°, 30%, 41%
XYZ	11.9634, 13.5272, 8.2852
YIQ	101.0530, 9.6760, -10.1640

Conversions

Conversions Part 2

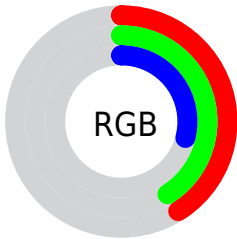
Format	Color
RYB	73, 105, 74
Decimal	6842697
CIELab	43.55, -6.09, 17.92
CIELCh	44, 18.924, 108.777
Yxy	13.5272, 0.3542, 0.4005
Android (android.graphics.Color)	4285032777 (0xFF686949)
YUV	101.0530, -13.8301, 2.5845
Hunter-Lab	36.7793, -6.3024, 12.3894

Details

The Yxy color **13.5272, 0.3542, 0.4005** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.2425, 0.2643, 0.2467**, and the grayscale version is **13.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2500, 0.3447, 0.3818**, and **3.9556, 0.3711, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **13.3804, 0.3674, 0.4236**, and if you desaturate by 10%, it is **13.6988, 0.3405, 0.3768**.

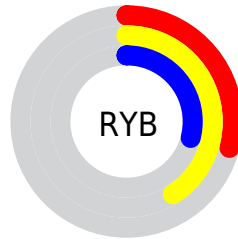
Distribution



Red (41%)

Green (41%)

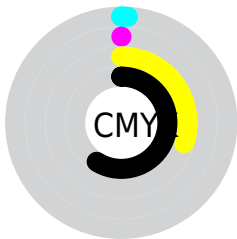
Blue (29%)



Red (29%)

Yellow (41%)

Blue (29%)

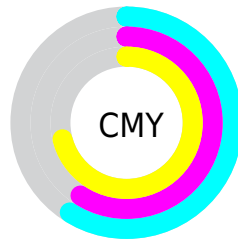


Cyan (1%)

Magenta (0%)

Yellow (30%)

Black (59%)



Cyan (59%)

Magenta (59%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5272, 0.3542, 0.4005 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 13.5272, 0.3542, 0.4005 by changing the saturation by 10% instead.

13.5272, 0.3542,
0.4005

13.5272, 0.3542,
0.4005

214.2693, 0.3298,
0.3570

7.7926, 0.3618,
0.4151

32.2477, 0.3443,
0.3822

3.9625, 0.3724,
0.4370

46.0024, 0.3409,
0.3762

1.6526, 0.4001,
0.4876

63.1992, 0.3382,
0.3714

0.3927, 0.3638,
0.6362

84.2226, 0.3359,
0.3674

0.0000, 0.0000,
0.0000

109.4569, 0.3340,
0.3642

139.2865, 0.3324,

0.3614

174.0959, 0.3310,
0.3590

■ 13.5272, 0.3542,
0.4005

■ 13.5272, 0.3542,
0.4005

■ 13.3804, 0.3674,
0.4236

■ 13.6988, 0.3405,
0.3768

■ 13.2555, 0.3797,
0.4452

■ 13.8944, 0.3268,
0.3531

■ 13.1517, 0.3906,
0.4646

■ 14.1158, 0.3133,
0.3301

■ 13.0676, 0.3996,
0.4809

■ 14.3639, 0.3004,
0.3080

■ 13.0017, 0.4064,
0.4937

■ 14.6396, 0.2883,
0.2873

■ 12.9520, 0.4109,
0.5026

■ 14.9438, 0.2769,
0.2681

■ 12.9118, 0.4142,
0.5093

■ 15.2773, 0.2664,
0.2503

■ 15.6410, 0.2568,
0.2341

■ 16.0356, 0.2480,
0.2193

Harmonies

Analogous

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



13.5272, 0.3829, 0.3860



13.5272, 0.3542, 0.4005



13.5272, 0.3154, 0.3938

Triad

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



13.5272, 0.3542, 0.4005



13.5272, 0.2389, 0.2919



13.5272, 0.3465, 0.2957

Complementary

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



13.5272, 0.3542, 0.4005



7.2425, 0.2643, 0.2467

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.



13.5272, 0.3059, 0.2737



13.5272, 0.3542, 0.4005



13.5272, 0.2458, 0.2701

Square

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



13.5272, 0.3542, 0.4005



13.5272, 0.2501, 0.3269



13.5272, 0.2695, 0.2643



13.5272, 0.3791, 0.3257

Rectangle

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



13.5272, 0.3542, 0.4005



13.5272, 0.2894, 0.3770



13.5272, 0.2695, 0.2643



13.5272, 0.3332, 0.2872

Sweetspot

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



13.5278, 0.3542, 0.4005



24.9243, 0.3251, 0.3503



8.3212, 0.3752, 0.3304



5.8288, 0.3266, 0.3529



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.



13.5278, 0.3542, 0.4005



24.0182, 0.3643, 0.4181



12.6825, 0.3307, 0.4063



3.5789, 0.3248, 0.3496



16.3454, 0.4141, 0.5094



83.2133, 0.4138, 0.5096

Inverse Universe

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



7.2425, 0.2643, 0.2467



10.6940, 0.2499, 0.2225



7.9368, 0.2894, 0.2523



3.0293, 0.3002, 0.3076



1.3151, 0.1516, 0.0609



6.6298, 0.1507, 0.0604

Previews

White Background



This preview shows how the Yxy color 13.5272, 0.3542, 0.4005 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



This preview shows how the Yxy color 13.5272, 0.3542, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

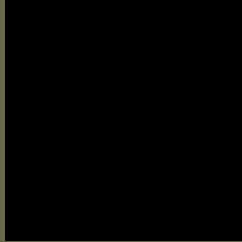
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

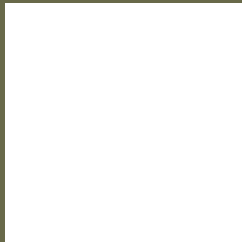
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.5272, 0.3542, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 13.5272, 0.3542, 0.4005.



This preview shows how white text looks on a background with the Yxy color 13.5272, 0.3542, 0.4005.

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

13.5272, 0.3542, 0.4005

Protanopia

13.5479, 0.3676, 0.3961

Deuteranopia

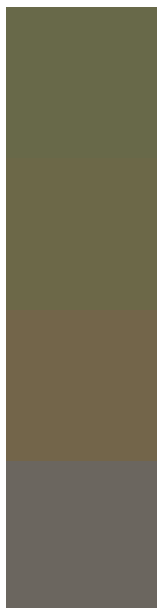
13.5557, 0.3849, 0.3802



Tritanopia

13.3852, 0.3135, 0.3120

Trichromacy



Original Color

13.5272, 0.3542, 0.4005

Protanomaly

13.5567, 0.3623, 0.3992

Deuteranomaly

13.4466, 0.3724, 0.3864

Tritanomaly

13.4548, 0.3296, 0.3443

Monochromacy



Original Color

13.5272, 0.3542, 0.4005

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0829, 0.3277, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5272, 0.3542, 0.4005 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(104, 105, 73)` looks like.

```
.text, #text, p{  
    color:rgb(104, 105, 73)  
}
```

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(104, 105, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 105, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.5272, 0.3542, 0.4005 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(104, 105, 73) }
```

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

```
.border{ border-color:rgb(104, 105, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 105, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 105, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 105, 73);  
box-shadow:4px 4px 4px 4px rgb(104, 105,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5272, 0.3542, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 105, 73) }
```

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

```
.background{ background-color: rgb(104,  
105, 73) }
```

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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