

Converting Colors

$Y_{xy}(10.2422, 0.3505, 0.4217)$

Have a look what the booklet for
Yxy(10.2422, 0.3505, 0.4217)
contains.

Yxy(10.2422, 0.3505, 0.4217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2422, 0.3505, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	555E3A
RGB	85, 94, 58
RGB Percent	33%, 37%, 23%
CMY	0.6667, 0.6314, 0.7725
CMYK	0.10, 0.00, 0.38, 0.63
HSL	75°, 24%, 30%
HSV	75°, 38%, 37%
XYZ	8.5129, 10.2422, 5.5328
YIQ	87.2050, 6.1920, -13.1040

Conversions

Conversions Part 2

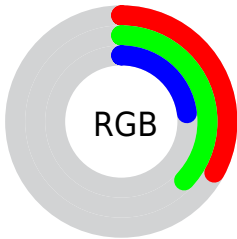
Format	Color
RYB	58, 94, 67
Decimal	5594682
CIELab	38.27, -10.23, 19.50
CIElCh	38, 22.018, 117.684
Yxy	10.2422, 0.3505, 0.4217
Android (android.graphics.Color)	4283784762 (0xFF555E3A)
YUV	87.2050, -14.3981, -1.9338
Hunter-Lab	32.0034, -8.5251, 12.1523

Details

The Yxy color **10.2422, 0.3505, 0.4217** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.0294, 0.2643, 0.2272**, and the grayscale version is **9.6084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1380, 0.3409, 0.3949**, and **2.5797, 0.3663, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **10.0473, 0.3592, 0.4464**, and if you desaturate by 10%, it is **10.4592, 0.3410, 0.3966**.

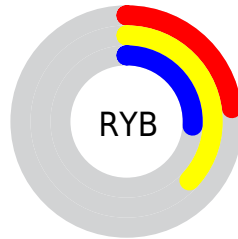
Distribution



Red (33%)

Green (37%)

Blue (23%)



Red (23%)

Yellow (37%)

Blue (26%)

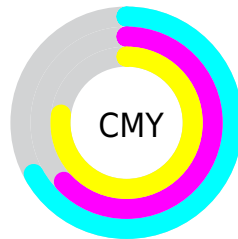


Cyan (10%)

Magenta (0%)

Yellow (38%)

Black (63%)



Cyan (67%)


Magenta (63%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2422, 0.3505, 0.4217 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 10.2422, 0.3505, 0.4217 by changing the saturation by 10% instead.


 10.2422, 0.3505,
0.4217

 10.2422, 0.3505,
0.4217


192.3921, 0.3281,
0.3628


 5.5598, 0.3573,
0.4434


 26.2501, 0.3414,
0.3959


 2.5793, 0.3664,
0.4780


 38.3444, 0.3383,
0.3877

 0.9163, 0.4039,
0.5961

 53.6781, 0.3357,
0.3813

 0.0000, 0.0000,
0.0000

 72.6357, 0.3336,
0.3761

 95.6014, 0.3319,
0.3719

 122.9598, 0.3304,

0.3683

155.0952, 0.3292,
0.3653

■ 10.2422, 0.3505,
0.4217

■ 10.2422, 0.3505,
0.4217

■ 10.0473, 0.3592,
0.4464

■ 10.4592, 0.3410,
0.3966

■ 9.8721, 0.3667,
0.4698

■ 10.6977, 0.3310,
0.3718

■ 9.7159, 0.3725,
0.4909

■ 10.9592, 0.3209,
0.3479

■ 9.5777, 0.3763,
0.5090

■ 11.2444, 0.3110,
0.3252

■ 9.4559, 0.3780,
0.5234

■ 11.5540, 0.3015,
0.3040

■ 9.3447, 0.3784,
0.5355

■ 11.8889, 0.2923,
0.2844

■ 9.3261, 0.3785,
0.5377

■ 12.2496, 0.2838,
0.2664

■ 12.6370, 0.2757,
0.2500

■ 13.0515, 0.2683,
0.2351

Harmonies

Analogous

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



10.2422, 0.3926, 0.4084



10.2422, 0.3505, 0.4217



10.2422, 0.3003, 0.4051

Triad

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



10.2422, 0.3505, 0.4217



10.2422, 0.2206, 0.2710



10.2422, 0.3699, 0.2972

Complementary

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



10.2422, 0.3505, 0.4217



5.0294, 0.2643, 0.2272

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.



10.2422, 0.3189, 0.2667



10.2422, 0.3505, 0.4217



10.2422, 0.2354, 0.2506

Square

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



10.2422, 0.3505, 0.4217



10.2422, 0.2275, 0.3107



10.2422, 0.2701, 0.2499



10.2422, 0.4058, 0.3358

Rectangle

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



10.2422, 0.3505, 0.4217



10.2422, 0.2691, 0.3781



10.2422, 0.2701, 0.2499



10.2422, 0.3537, 0.2858

Sweetspot

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



10.2427, 0.3505, 0.4217



19.0444, 0.3240, 0.3551



6.7009, 0.3889, 0.3527



4.5544, 0.3248, 0.3570



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.2427, 0.3505, 0.4217



17.6199, 0.3585, 0.4443



9.5050, 0.3211, 0.4310



2.6607, 0.3215, 0.3491



12.8802, 0.3777, 0.5383



70.0995, 0.3750, 0.5404

Inverse Universe

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



5.0294, 0.2643, 0.2272



7.0361, 0.2498, 0.1994



5.7671, 0.2988, 0.2367



2.3058, 0.3035, 0.3085



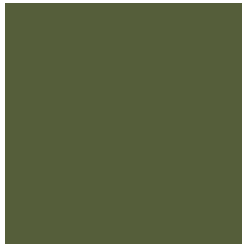
1.3571, 0.1683, 0.0701



7.0630, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 10.2422, 0.3505, 0.4217 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 10.2422, 0.3505, 0.4217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

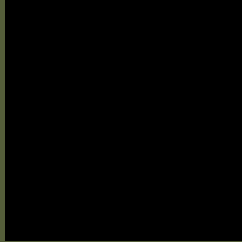
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2422, 0.3505, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 10.2422, 0.3505, 0.4217.



This preview shows how white text looks on a background with the Yxy color 10.2422, 0.3505, 0.4217.

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

10.2422, 0.3505, 0.4217

Protanopia

10.1945, 0.3791, 0.4108

Deuteranopia

10.1700, 0.3943, 0.3883



Tritanopia

10.1629, 0.3040, 0.3120

Trichromacy



Original Color

10.2422, 0.3505, 0.4217

Protanomaly

10.1047, 0.3679, 0.4134

Deuteranomaly

10.1698, 0.3789, 0.4007

Tritanomaly

10.1661, 0.3213, 0.3516

Monochromacy



Original Color

10.2422, 0.3505, 0.4217

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.8126, 0.3273, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2422, 0.3505, 0.4217 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(85, 94, 58)` looks like.

```
.text, #text, p{  
    color:rgb(85, 94, 58)  
}
```

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(85, 94, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 94, 58) }
```

Border

The CSS property to change the border of an element to Yxy 10.2422, 0.3505, 0.4217 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(85, 94, 58) }
```

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

```
.border{ border-color:rgb(85, 94, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 94, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 94, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 94, 58);  
box-shadow:4px 4px 4px 4px rgb(85, 94, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2422, 0.3505, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 94, 58) }
```

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

```
.background{ background-color: rgb(85, 94,  
58) }
```

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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