

Converting Colors

$Y_{xy}(40.2211, 0.2912, 0.5472)$

Have a look what the booklet for
Yxy(40.2211, 0.2912, 0.5472)
contains.

Yxy(40.2252, 0.2910, 0.5467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2252, 0.2910, 0.5467)

Conversions

Conversions Part 1

Format	Color
Hex	22C443
RGB	34, 196, 67
RGB Percent	13%, 77%, 26%
CMY	0.8668, 0.2314, 0.7373
CMYK	0.83, 0.00, 0.66, 0.23
HSL	132°, 70%, 45%
HSV	132°, 83%, 77%
XYZ	21.4113, 40.2252, 11.9417
YIQ	132.8560, -55.1430, -74.4630

Conversions

Conversions Part 2

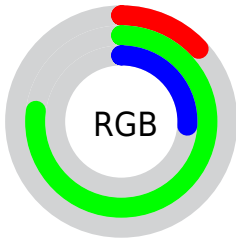
Format	Color
RYB	34, 169, 196
Decimal	2278467
CIELab	69.63, -64.86, 51.90
CIElCh	70, 83.072, 141.333
Yxy	40.2252, 0.2910, 0.5467
Android (android.graphics.Color)	4280468547 (0xFF22C443)
YUV	132.8560, -32.4670, -86.6967
Hunter-Lab	63.4233, -50.7306, 33.2328

Details

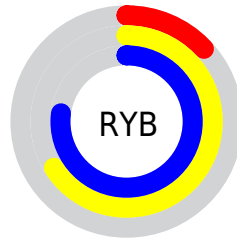
The Yxy color **40.2252, 0.2910, 0.5467** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **15.5228, 0.3673, 0.1904**, and the grayscale version is **23.5320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5547, 0.3002, 0.5011**, and **19.0541, 0.2997, 0.5988** is the 20% darker color. If you saturate the color by 10%, you get **39.8210, 0.2928, 0.5678**, and if you desaturate by 10%, it is **40.8729, 0.2905, 0.5210**.

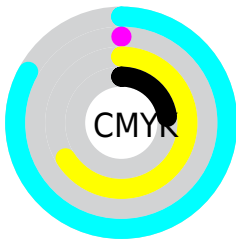
Distribution



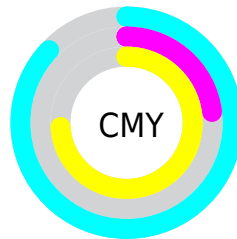
- Red (13%)
- Green (77%)
- Blue (26%)



- Red (13%)
- Yellow (66%)
- Blue (77%)



- Cyan (83%)
- Magenta (0%)
- Yellow (66%)
- Black (23%)





- Cyan (87%)
- Magenta (23%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2252, 0.2910, 0.5467 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 40.2252, 0.2910, 0.5467 by changing the saturation by 10% instead.


 40.2252, 0.2910,
0.5467


 40.2252, 0.2910,
0.5467


347.0718, 0.3097,
0.4263

 27.7142, 0.2830,
0.5794


 75.5063, 0.3001,
0.5007


 18.1103, 0.2706,
0.6220

 99.0452, 0.3028,
0.4840


 11.0292, 0.2503,
0.6783


 127.0288, 0.3048,
0.4702

 6.0865, 0.2225,
0.7775

 159.8416, 0.3063,
0.4586

 2.8977, 0.1426,
0.8574

 197.8679, 0.3074,
0.4487

 1.0786, 0.0000,
1.0000

241.4921, 0.3084,

 0.0000, 0.0000,

0.4402

0.0000

291.0986, 0.3091,
0.4328

■ 40.2252, 0.2910,
0.5467

■ 40.2252, 0.2910,
0.5467

■ 39.8210, 0.2928,
0.5678

■ 40.8729, 0.2905,
0.5210

■ 39.6351, 0.2944,
0.5799

■ 41.7909, 0.2912,
0.4924

■ 43.0078, 0.2931,
0.4625

■ 44.5472, 0.2960,
0.4329

■ 46.4303, 0.2995,
0.4047

■ 48.6763, 0.3034,
0.3786

■ 51.3032, 0.3075,
0.3551

■ 54.3277, 0.3116,
0.3342

■ 57.7655, 0.3157,
0.3158

Harmonies

Analogous

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



40.2252, 0.3970, 0.5397



40.2252, 0.2910, 0.5467



40.2252, 0.1958, 0.4383

Triad

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



40.2252, 0.2910, 0.5467



40.2252, 0.1438, 0.1678



40.2252, 0.5208, 0.3096

Complementary

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



40.2252, 0.2910, 0.5467



15.5228, 0.3673, 0.1904

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.



40.2252, 0.4208, 0.2423



40.2252, 0.2910, 0.5467



40.2252, 0.1987, 0.1651

Square

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



40.2252, 0.2910, 0.5467



40.2252, 0.1244, 0.2062



40.2252, 0.2952, 0.1911



40.2252, 0.5420, 0.3843

Rectangle

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



40.2252, 0.2910, 0.5467



40.2252, 0.1529, 0.3400



40.2252, 0.2952, 0.1911



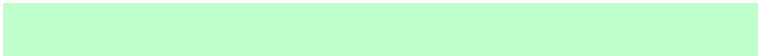
40.2252, 0.4947, 0.2861

Sweetspot

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



40.2269, 0.2910, 0.5467



86.9998, 0.3023, 0.3855



47.4475, 0.3853, 0.5185



18.3083, 0.3009, 0.3947



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.2269, 0.2910, 0.5467



71.8026, 0.2948, 0.5805



41.9409, 0.2516, 0.4106



11.2916, 0.3089, 0.3479



25.4759, 0.2939, 0.5779



1.1109, 0.2822, 0.5358

Inverse Universe

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



15.5228, 0.3673, 0.1904



25.6544, 0.3809, 0.1875



13.4967, 0.5209, 0.2825



10.2112, 0.3168, 0.3109



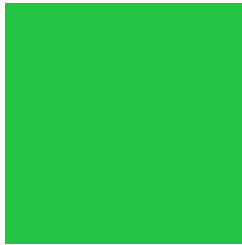
9.0972, 0.3796, 0.1865



0.4022, 0.3641, 0.1780

Previews

White Background



This preview shows how the Yxy color 40.2252, 0.2910, 0.5467 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 40.2252, 0.2910, 0.5467 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 40.2252, 0.2910, 0.5467

Background



This preview shows how black text looks on a background with the Yxy color 40.2252, 0.2910, 0.5467.



This preview shows how white text looks on a background with the Yxy color 40.2252, 0.2910, 0.5467.

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

40.2252, 0.2910, 0.5467

Protanopia

39.3831, 0.4204, 0.4636

Deuteranopia

39.1016, 0.4357, 0.4264



Tritanopia

39.8755, 0.2370, 0.3062

Trichromacy



Original Color

40.2252, 0.2910, 0.5467



Protanomaly

37.4935, 0.3563, 0.5040



Deuteranomaly

36.4013, 0.3651, 0.4771



Tritanomaly

39.3267, 0.2570, 0.3927

Monochromacy



Original Color

40.2252, 0.2910, 0.5467



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.4224, 0.2979, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2252, 0.2910, 0.5467 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(34, 196, 67)` looks like.

```
.text, #text, p{  
    color:rgb(34, 196, 67)  
}
```

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(34, 196, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 196, 67) }
```

Border

The CSS property to change the border of an element to Yxy 40.2252, 0.2910, 0.5467 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(34, 196, 67) }
```

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

```
.border{ border-color:rgb(34, 196, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 196, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 196, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 196, 67);  
box-shadow:4px 4px 4px 4px rgb(34, 196,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2252, 0.2910, 0.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 196, 67) }
```

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

```
.background{ background-color: rgb(34, 196,  
67) }
```

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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