

Converting Colors

$Y_{xy}(40.9201, 0.2777, 0.4995)$

Have a look what the booklet for
Yxy(40.9201, 0.2777, 0.4995)
contains.

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Color

Yxy(40.7190, 0.2775, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	23C462
RGB	35, 196, 98
RGB Percent	14%, 77%, 38%
CMY	0.8625, 0.2314, 0.6156
CMYK	0.82, 0.00, 0.50, 0.23
HSL	143°, 70%, 45%
HSV	143°, 82%, 77%
XYZ	22.6398, 40.7190, 18.2261
YIQ	136.6890, -64.4980, -64.6100

Conversions

Conversions Part 2

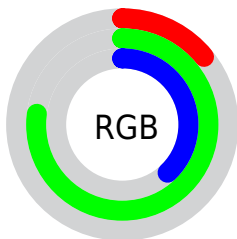
Format	Color
RYB	35, 151, 196
Decimal	2344034
CIELab	69.98, -60.65, 38.02
CIELCh	70, 71.583, 147.922
Yxy	40.7190, 0.2775, 0.4991
Android (android.graphics.Color)	4280534114 (0xFF23C462)
YUV	136.6890, -19.0737, -89.1813
Hunter-Lab	63.8114, -48.3396, 27.7334

Details

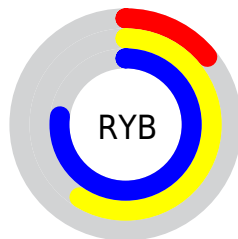
The Yxy color **40.7190, 0.2775, 0.4991** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **14.6361, 0.4194, 0.2224**, and the grayscale version is **24.9923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3368, 0.2869, 0.4635**, and **19.2632, 0.2849, 0.5456** is the 20% darker color. If you saturate the color by 10%, you get **40.2588, 0.2796, 0.5205**, and if you desaturate by 10%, it is **41.4075, 0.2772, 0.4761**.

Distribution



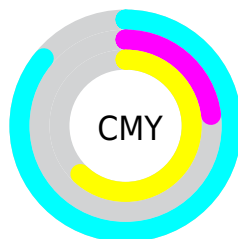
- Red (14%)
- Green (77%)
- Blue (38%)



- Red (14%)
- Yellow (59%)
- Blue (77%)



- Cyan (82%)
- Magenta (0%)
- Yellow (50%)
- Black (23%)





- Cyan (86%)
- Magenta (23%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7190, 0.2775, 0.4991 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 40.7190, 0.2775, 0.4991 by changing the saturation by 10% instead.

 40.7190, 0.2775,
0.4991

 40.7190, 0.2775,
0.4991


349.1448, 0.2998,
0.4050

 28.0996, 0.2701,
0.5253


 76.2571, 0.2869,
0.4628


 18.4007, 0.2594,
0.5605


 99.9447, 0.2900,
0.4498

 11.2381, 0.2430,
0.6093


 128.0903, 0.2925,
0.4391

 6.2272, 0.2159,
0.6798

 161.0785, 0.2945,
0.4301

 2.9837, 0.1724,
0.8276

 199.2937, 0.2962,
0.4224

 1.1232, 0.0000,
1.0000

243.1202, 0.2976,

 0.0000, 0.0000,

0.4158

0.0000

292.9424, 0.2988,
0.4101

■ 40.7190, 0.2775,
0.4991

■ 40.7190, 0.2775,
0.4991

■ 40.2588, 0.2796,
0.5205

■ 41.4075, 0.2772,
0.4761


■ 40.0113, 0.2822,
0.5360

■ 42.3486, 0.2787,
0.4524


■ 43.5685, 0.2818,
0.4289


■ 45.0890, 0.2863,
0.4063

■ 46.9293, 0.2918,
0.3850

 49.1072, 0.2980,
0.3655

 51.6390, 0.3045,
0.3479

 54.5401, 0.3113,
0.3321

 57.8249, 0.3180,
0.3181

Harmonies

Analogous

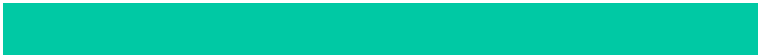
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7190, 0.3724, 0.5207



40.7190, 0.2775, 0.4991



40.7190, 0.1973, 0.3949

Triad

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



40.7190, 0.2775, 0.4991



40.7190, 0.1699, 0.1825



40.7190, 0.5033, 0.3301

Complementary

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



40.7190, 0.2775, 0.4991



14.6361, 0.4194, 0.2224

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.



40.7190, 0.4291, 0.2659



40.7190, 0.2775, 0.4991



40.7190, 0.2285, 0.1854

Square

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



40.7190, 0.2775, 0.4991



40.7190, 0.1451, 0.2112



40.7190, 0.3216, 0.2147



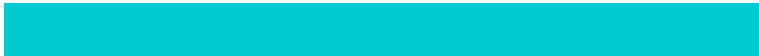
40.7190, 0.5099, 0.4002

Rectangle

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



40.7190, 0.2775, 0.4991



40.7190, 0.1632, 0.3158



40.7190, 0.3216, 0.2147



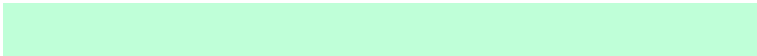
40.7190, 0.4853, 0.3078

Sweetspot

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



40.7207, 0.2775, 0.4991



87.5965, 0.2959, 0.3717



44.6953, 0.3594, 0.5368



18.4483, 0.2937, 0.3787



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.



40.7207, 0.2775, 0.4991



72.4821, 0.2826, 0.5369



43.0217, 0.2367, 0.3587



11.3226, 0.3064, 0.3433



25.7247, 0.2815, 0.5334



1.1250, 0.2686, 0.4871

Inverse Universe

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



14.6361, 0.4194, 0.2224



23.7238, 0.4518, 0.2267



13.2063, 0.5723, 0.3145



10.1786, 0.3196, 0.3151



8.4189, 0.4488, 0.2246



0.3770, 0.4130, 0.2049

Previews

White Background



This preview shows how the Yxy color 40.7190, 0.2775, 0.4991 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 40.7190, 0.2775, 0.4991 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 40.7190, 0.2775, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 40.7190, 0.2775, 0.4991.



This preview shows how white text looks on a background with the Yxy color 40.7190, 0.2775, 0.4991.

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

40.7190, 0.2775, 0.4991

Protanopia

40.0355, 0.3988, 0.4354

Deuteranopia

39.8813, 0.4071, 0.3984



Tritanopia

40.6174, 0.2350, 0.3063

Trichromacy



Original Color

40.7190, 0.2775, 0.4991



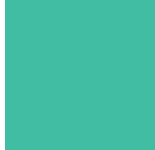
Protanomaly

37.9184, 0.3383, 0.4654



Deuteranomaly

37.1112, 0.3415, 0.4376



Tritanomaly

40.1295, 0.2492, 0.3715

Monochromacy



Original Color

40.7190, 0.2775, 0.4991



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.5931, 0.2893, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7190, 0.2775, 0.4991 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(35, 196, 98)` looks like.

```
.text, #text, p{  
    color:rgb(35, 196, 98)  
}
```

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(35, 196, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 196, 98) }
```

Border

The CSS property to change the border of an element to Yxy 40.7190, 0.2775, 0.4991 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(35, 196, 98) }
```

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

```
.border{ border-color:rgb(35, 196, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 196, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 196, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 196, 98);  
box-shadow:4px 4px 4px 4px rgb(35, 196,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7190, 0.2775, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 196, 98) }
```

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

```
.background{ background-color: rgb(35, 196,  
98) }
```

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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