

Converting Colors

$Yxy(41.4996, 0.2696, 0.4473)$

Have a look what the booklet for
Yxy(41.4996, 0.2696, 0.4473)
contains.

Yxy(41.4361, 0.2694, 0.4461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.4361, 0.2694, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	3AC37E
RGB	58, 195, 126
RGB Percent	23%, 76%, 49%
CMY	0.7729, 0.2353, 0.5058
CMYK	0.70, 0.00, 0.35, 0.24
HSL	150°, 54%, 50%
HSV	150°, 70%, 76%
XYZ	25.0233, 41.4361, 26.4258
YIQ	146.1710, -59.5030, -50.5030

Conversions

Conversions Part 2

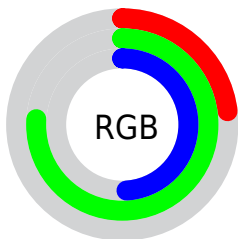
Format	Color
RYB	58, 150, 195
Decimal	3851134
CIELab	70.48, -52.30, 24.35
CIELCh	70, 57.692, 155.034
Yxy	41.4361, 0.2694, 0.4461
Android (android.graphics.Color)	4282041214 (0xFF3AC37E)
YUV	146.1710, -9.9443, -77.3260
Hunter-Lab	64.3709, -43.2597, 20.7196

Details

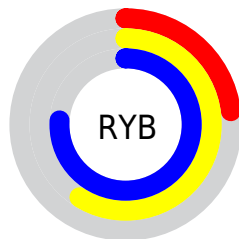
The Yxy color **41.4361, 0.2694, 0.4461** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **16.1501, 0.4239, 0.2459**, and the grayscale version is **28.8699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6428, 0.2789, 0.4223**, and **19.2780, 0.2674, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **40.7197, 0.2688, 0.4658**, and if you desaturate by 10%, it is **42.4018, 0.2720, 0.4264**.

Distribution



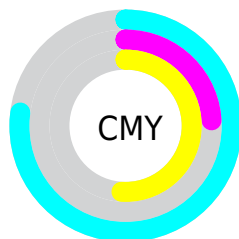
- Red (23%)
- Green (76%)
- Blue (49%)



- Red (23%)
- Yellow (59%)
- Blue (76%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (24%)





- Cyan (77%)
- Magenta (24%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4361, 0.2694, 0.4461 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 41.4361, 0.2694, 0.4461 by changing the saturation by 10% instead.

 41.4361, 0.2694,
0.4461

 41.4361, 0.2694,
0.4461


352.1400, 0.2935,
0.3824


 28.6600, 0.2625,
0.4638


 77.3455, 0.2788,
0.4216


 18.8238, 0.2532,
0.4875


 101.2475, 0.2821,
0.4129

 11.5430, 0.2397,
0.5210


 129.6270, 0.2848,
0.4056

 6.4333, 0.2190,
0.5712

 162.8684, 0.2871,
0.3995

 3.1103, 0.1848,
0.6541

 201.3559, 0.2891,
0.3942

 1.1896, 0.0000,
1.0000

245.4741, 0.2908,

 0.0532, 0.0000,

0.3897

1.0000

295.6074, 0.2922,
0.3858

■ 0.0000, 0.0000,
0.0000

■ 41.4361, 0.2694,
0.4461

■ 41.4361, 0.2694,
0.4461

■ 40.7197, 0.2688,
0.4658

■ 42.4018, 0.2720,
0.4264

■ 40.2203, 0.2701,
0.4848

■ 43.6350, 0.2762,
0.4072

■ 39.8947, 0.2729,
0.5024

■ 45.1575, 0.2819,
0.3890

■ 46.9877, 0.2887,
0.3719

■ 49.1423, 0.2962,
0.3563

■ 51.6368, 0.3042,
0.3421

■ 54.4857, 0.3125,
0.3294

■ 57.7027, 0.3207,
0.3181

■ 61.3005, 0.3289,
0.3081

Harmonies

Analogous

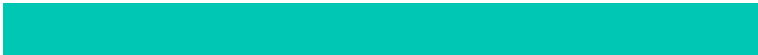
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4361, 0.3480, 0.4840



41.4361, 0.2694, 0.4461



41.4361, 0.2070, 0.3599

Triad

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



41.4361, 0.2694, 0.4461



41.4361, 0.2026, 0.2047



41.4361, 0.4734, 0.3482

Complementary

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



41.4361, 0.2694, 0.4461



16.1501, 0.4239, 0.2459

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.



41.4361, 0.4244, 0.2904



41.4361, 0.2694, 0.4461



41.4361, 0.2603, 0.2122

Square

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



41.4361, 0.2694, 0.4461



41.4361, 0.1740, 0.2242



41.4361, 0.3418, 0.2425



41.4361, 0.4696, 0.4086

Rectangle

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



41.4361, 0.2694, 0.4461



41.4361, 0.1819, 0.3012



41.4361, 0.3418, 0.2425



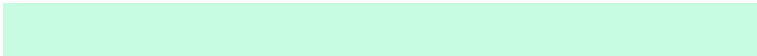
41.4361, 0.4626, 0.3283

Sweetspot

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



41.4378, 0.2694, 0.4461



87.5842, 0.2954, 0.3578



43.9856, 0.3478, 0.5223



18.9326, 0.2933, 0.3621



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.



41.4378, 0.2694, 0.4461



72.4303, 0.2692, 0.4754



43.7686, 0.2342, 0.3323



11.3404, 0.3050, 0.3408



25.9440, 0.2722, 0.5000



1.1349, 0.2608, 0.4587

Inverse Universe

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



16.1501, 0.4239, 0.2459



24.4332, 0.4603, 0.2426



14.9489, 0.5439, 0.3274



10.1605, 0.3212, 0.3175



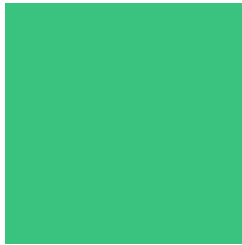
8.1324, 0.4924, 0.2486



0.3653, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 41.4361, 0.2694, 0.4461 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 41.4361, 0.2694, 0.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

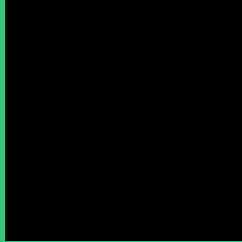
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4361, 0.2694, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 41.4361, 0.2694, 0.4461.



This preview shows how white text looks on a background with the Yxy color 41.4361, 0.2694, 0.4461.

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

41.4361, 0.2694, 0.4461

Protanopia

40.7011, 0.3742, 0.4037

Deuteranopia

40.5237, 0.3768, 0.3695



Tritanopia

41.3611, 0.2374, 0.3065

Trichromacy



Original Color

41.4361, 0.2694, 0.4461



Protanomaly

39.4875, 0.3242, 0.4217



Deuteranomaly

38.5675, 0.3254, 0.3974



Tritanomaly

40.9877, 0.2479, 0.3526

Monochromacy



Original Color

41.4361, 0.2694, 0.4461



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.9924, 0.2887, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4361, 0.2694, 0.4461 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(58, 195, 126)` looks like.

```
.text, #text, p{  
    color:rgb(58, 195, 126)  
}
```

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(58, 195, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 195, 126) }
```

Border

The CSS property to change the border of an element to Yxy 41.4361, 0.2694, 0.4461 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(58, 195, 126) }
```

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

```
.border{ border-color:rgb(58, 195, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 195, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 195, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 195, 126);  
box-shadow:4px 4px 4px 4px rgb(58, 195,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4361, 0.2694, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 195, 126) }
```

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

```
.background{ background-color: rgb(58, 195,  
126) }
```

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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