

Converting Colors

$Y_{xy}(10.5709, 0.2913, 0.4315)$

Have a look what the booklet for
Yxy(10.5709, 0.2913, 0.4315)
contains.

Yxy(10.6262, 0.2906, 0.4319)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6262, 0.2906, 0.4319)

Conversions

Conversions Part 1

Format	Color
Hex	346642
RGB	52, 102, 66
RGB Percent	20%, 40%, 26%
CMY	0.7962, 0.6000, 0.7412
CMYK	0.49, 0.00, 0.35, 0.60
HSL	137°, 32%, 30%
HSV	137°, 49%, 40%
XYZ	7.1497, 10.6262, 6.8274
YIQ	82.9460, -18.2440, -21.7960

Conversions

Conversions Part 2

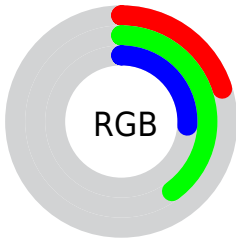
Format	Color
RYB	52, 91, 102
Decimal	3434050
CIELab	38.94, -25.76, 15.27
CIElCh	39, 29.947, 149.334
Yxy	10.6262, 0.2906, 0.4319
Android (android.graphics.Color)	4281624130 (0xFF346642)
YUV	82.9460, -8.3544, -27.1396
Hunter-Lab	32.5979, -17.8955, 10.4005

Details

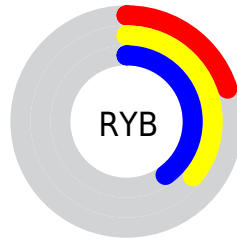
The Yxy color **10.6262, 0.2906, 0.4319** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9831, 0.3472, 0.2453**, and the grayscale version is **8.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8222, 0.2981, 0.4017**, and **2.7002, 0.2715, 0.4974** is the 20% darker color. If you saturate the color by 10%, you get **10.3036, 0.2877, 0.4575**, and if you desaturate by 10%, it is **11.0193, 0.2944, 0.4073**.

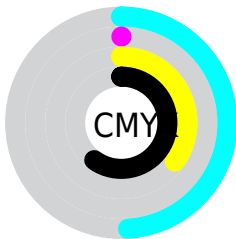
Distribution



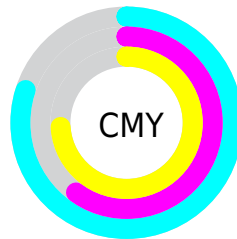
- Red (20%)
- Green (40%)
- Blue (26%)



- Red (20%)
- Yellow (36%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6262, 0.2906, 0.4319 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 10.6262, 0.2906, 0.4319 by changing the saturation by 10% instead.


 10.6262, 0.2906,
0.4319


 10.6262, 0.2906,
0.4319


195.0848, 0.3059,
0.3651


 5.8161, 0.2838,
0.4581

 26.9668, 0.2978,
0.4020


 2.7336, 0.2715,
0.5014


 39.2662, 0.2999,
0.3928

 0.9943, 0.2371,
0.7551

 54.8307, 0.3015,
0.3856

 0.0000, 0.0000,
0.0000

 74.0447, 0.3028,
0.3798

 97.2928, 0.3038,
0.3751

 124.9592, 0.3046,

0.3712

157.4284, 0.3053,
0.3679

■ 10.6262, 0.2906,
0.4319

■ 10.6262, 0.2906,
0.4319

■ 10.3036, 0.2877,
0.4575

■ 11.0193, 0.2944,
0.4073

■ 10.0460, 0.2858,
0.4835

■ 11.4854, 0.2987,
0.3844

■ 9.8491, 0.2853,
0.5087


■ 12.0287, 0.3034,
0.3634


■ 9.7075, 0.2861,
0.5320

■ 12.6523, 0.3083,
0.3444


■ 9.6004, 0.2874,
0.5530

■ 13.3595, 0.3132,
0.3275

 9.5907, 0.2875,
0.5549

 14.1533, 0.3180,
0.3125

 15.0364, 0.3226,
0.2993

 16.0116, 0.3270,
0.2877

 17.0814, 0.3312,
0.2775

Harmonies

Analogous

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



10.6262, 0.3569, 0.4549



10.6262, 0.2906, 0.4319



10.6262, 0.2338, 0.3689

Triad

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



10.6262, 0.2906, 0.4319



10.6262, 0.2137, 0.2258



10.6262, 0.4397, 0.3381

Complementary

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



10.6262, 0.2906, 0.4319



5.9831, 0.3472, 0.2453

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.



10.6262, 0.3927, 0.2891



10.6262, 0.2906, 0.4319



10.6262, 0.2588, 0.2274

Square

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



10.6262, 0.2906, 0.4319



10.6262, 0.1936, 0.2488



10.6262, 0.3238, 0.2500



10.6262, 0.4467, 0.3896

Rectangle

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



10.6262, 0.2906, 0.4319



10.6262, 0.2083, 0.3208



10.6262, 0.3238, 0.2500



10.6262, 0.4280, 0.3211

Sweetspot

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



10.6266, 0.2906, 0.4319



21.4720, 0.3052, 0.3563



11.8590, 0.3589, 0.4500



5.0286, 0.3045, 0.3591



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.6266, 0.2906, 0.4319



17.9860, 0.2873, 0.4618



10.9772, 0.2636, 0.3605



3.1541, 0.3084, 0.3442



12.3097, 0.2881, 0.5572



64.0691, 0.2908, 0.5669

Inverse Universe

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



5.9831, 0.3472, 0.2453



8.7672, 0.3586, 0.2279



5.6450, 0.4065, 0.3010



2.8766, 0.3174, 0.3143



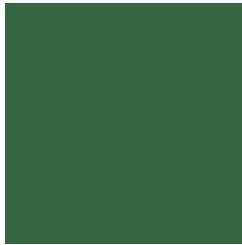
4.2462, 0.4030, 0.1994



21.9917, 0.4090, 0.2027

Previews

White Background



This preview shows how the Yxy color 10.6262, 0.2906, 0.4319 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 10.6262, 0.2906, 0.4319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

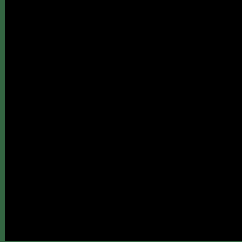
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6262, 0.2906, 0.4319

Background



This preview shows how black text looks on a background with the Yxy color 10.6262, 0.2906, 0.4319.



This preview shows how white text looks on a background with the Yxy color 10.6262, 0.2906, 0.4319.

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

10.6262, 0.2906, 0.4319

Protanopia

10.4826, 0.3709, 0.3985

Deuteranopia

10.5349, 0.3760, 0.3727



Tritanopia

10.5614, 0.2554, 0.3083

Trichromacy



Original Color

10.6262, 0.2906, 0.4319

Protanomaly

10.3371, 0.3380, 0.4125

Deuteranomaly

10.2723, 0.3400, 0.3929

Tritanomaly

10.5786, 0.2682, 0.3504

Monochromacy



Original Color

10.6262, 0.2906, 0.4319

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.2259, 0.3032, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6262, 0.2906, 0.4319 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(52, 102, 66)` looks like.

```
.text, #text, p{  
    color:rgb(52, 102, 66)  
}
```

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(52, 102, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 102, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.6262, 0.2906, 0.4319 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(52, 102, 66) }
```

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

```
.border{ border-color:rgb(52, 102, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 102, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 102, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 102, 66);  
box-shadow:4px 4px 4px 4px rgb(52, 102,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6262, 0.2906, 0.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 102, 66) }
```

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

```
.background{ background-color: rgb(52, 102,  
66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor