

Converting Colors

$Y_{xy}(10.0881, 0.3251, 0.5788)$

Have a look what the booklet for
Yxy(10.0881, 0.3251, 0.5788)
contains.

Yxy(10.1340, 0.3251, 0.5787)	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(10.1340, 0.3251, 0.5787)

Conversions

Conversions Part 1

Format	Color
Hex	276701
RGB	39, 103, 1
RGB Percent	15%, 40%, 0%
CMY	0.8470, 0.5961, 0.9961
CMYK	0.62, 0.00, 0.99, 0.60
HSL	98°, 98%, 20%
HSV	98°, 99%, 40%
XYZ	5.6930, 10.1340, 1.6846
YIQ	72.2360, -5.4020, -45.2900

Conversions

Conversions Part 2

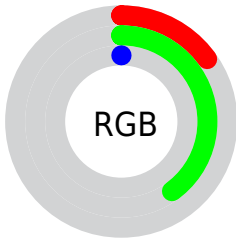
Format	Color
R_{YB}	1, 103, 65
Decimal	2582273
CIE _{Lab}	38.08, -37.48, 43.41
CIE _{LCh}	38, 57.350, 130.808
Yxy	10.1340, 0.3251, 0.5787
Android (android.graphics.Color)	4280772353 (0xFF276701)
YUV	72.2360, -35.1193, -29.1480
Hunter-Lab	31.8339, -23.7873, 19.1462

Details

The Yxy color **10.1340, 0.3251, 0.5787** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1241, 0.2347, 0.1075**, and the grayscale version is **6.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0753, 0.3319, 0.5091**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1201, 0.3248, 0.5803**, and if you desaturate by 10%, it is **10.2942, 0.3286, 0.5623**.

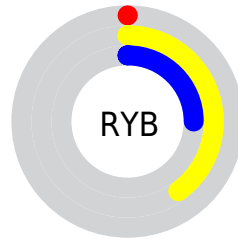
Distribution



Red (15%)

Green (40%)

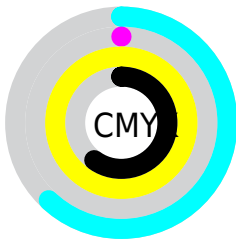
Blue (0%)



Red (0%)

Yellow (40%)

Blue (25%)

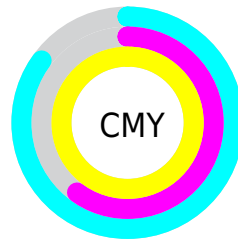


Cyan (62%)

Magenta (0%)

Yellow (99%)

Black (60%)



Cyan (85%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1340, 0.3251, 0.5787 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 10.1340, 0.3251, 0.5787 by changing the saturation by 10% instead.


 10.1340, 0.3251,
0.5787


 10.1340, 0.3251,
0.5787


 191.6258, 0.3285,
0.4166


 5.4879, 0.3161,
0.6429

 26.0472, 0.3323,
0.5084


 2.5363, 0.2820,
0.7180


 38.0832, 0.3326,
0.4856

 0.8947, 0.0000,
1.0000

 53.3511, 0.3323,
0.4677


 0.0000, 0.0000,
0.0000


 72.2356, 0.3316,
0.4533


 95.1209, 0.3309,
0.4416


 122.3914, 0.3301,


0.4318


 154.4316, 0.3293,
0.4236


 10.1340, 0.3251,
0.5787


 10.1340, 0.3251,
0.5787


 10.1201, 0.3248,
0.5803

 10.2942, 0.3286,
0.5623

 10.4854, 0.3316,
0.5429

 10.7159, 0.3329,
0.5187

 10.9883, 0.3327,
0.4912

 11.3049, 0.3311,
0.4619

■ 11.6678, 0.3285,
0.4323

■ 12.0791, 0.3250,
0.4033

■ 12.5405, 0.3210,
0.3758

■ 13.0539, 0.3167,
0.3502

Harmonies

Analogous

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



10.1340, 0.4366, 0.5293



10.1340, 0.3251, 0.5787



10.1340, 0.2168, 0.5043

Triad

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



10.1340, 0.3251, 0.5787



10.1340, 0.1222, 0.1656



10.1340, 0.5092, 0.2799

Complementary

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



10.1340, 0.3251, 0.5787



2.1241, 0.2347, 0.1075

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.



10.1340, 0.3809, 0.2141



10.1340, 0.3251, 0.5787



10.1340, 0.1653, 0.1519

Square

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



10.1340, 0.3251, 0.5787



10.1340, 0.1135, 0.2216



10.1340, 0.2514, 0.1691



10.1340, 0.5627, 0.3547

Rectangle

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



10.1340, 0.3251, 0.5787



10.1340, 0.1614, 0.3961



10.1340, 0.2514, 0.1691



10.1340, 0.4715, 0.2565

Sweetspot

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



10.1344, 0.3251, 0.5787



21.4859, 0.3257, 0.4085



6.5413, 0.4995, 0.4400



5.1853, 0.3268, 0.4175



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.1344, 0.3251, 0.5787



18.0576, 0.3228, 0.5819



9.7357, 0.2961, 0.5841



3.1877, 0.3166, 0.3499



12.7132, 0.3240, 0.5810



65.8420, 0.3200, 0.5841

Inverse Universe

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



2.1241, 0.2347, 0.1075



3.6741, 0.2314, 0.1048



3.6624, 0.3505, 0.1712



2.8406, 0.3085, 0.3083



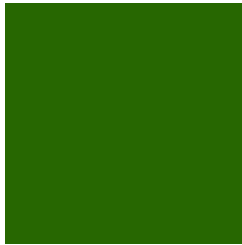
2.6088, 0.2328, 0.1056



13.0963, 0.2278, 0.1029

Previews

White Background



This preview shows how the Yxy color 10.1340, 0.3251, 0.5787 looks on a white background.

Color Contrast Check

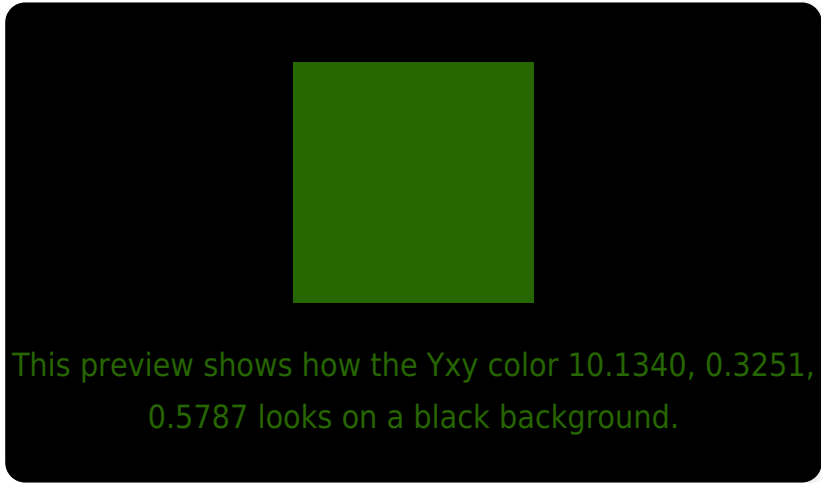
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

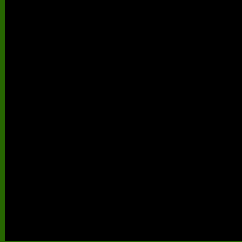
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1340, 0.3251, 0.5787

Background



This preview shows how black text looks on a background with the Yxy color 10.1340, 0.3251, 0.5787.



This preview shows how white text looks on a background with the Yxy color 10.1340, 0.3251, 0.5787.

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

10.1340, 0.3251, 0.5787

Protanopia

10.0790, 0.4386, 0.4899

Deuteranopia

9.9997, 0.4532, 0.4498



Tritanopia

10.1858, 0.2518, 0.3104

Trichromacy



Original Color

10.1340, 0.3251, 0.5787

Protanomaly

9.8041, 0.3900, 0.5285

Deuteranomaly

9.6173, 0.3999, 0.5025

Tritanomaly

9.9951, 0.2879, 0.4256

Monochromacy



Original Color

10.1340, 0.3251, 0.5787

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.3444, 0.3301, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1340, 0.3251, 0.5787 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(39, 103, 1)` looks like.

```
.text, #text, p{  
    color:rgb(39, 103, 1)  
}
```

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(39, 103, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 103, 1) }
```

Border

The CSS property to change the border of an element to Yxy 10.1340, 0.3251, 0.5787 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(39, 103, 1) }
```

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

```
.border{ border-color:rgb(39, 103, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 103, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 103, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 103, 1);  
box-shadow:4px 4px 4px 4px rgb(39, 103, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1340, 0.3251, 0.5787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 103, 1) }
```

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

```
.background{ background-color: rgb(39, 103,  
1) }
```

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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