

Converting Colors

$Y_{xy}(10.0881, 0.3262, 0.5781)$

Have a look what the booklet for
Yxy(10.0881, 0.3262, 0.5781)
contains.

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Color

Yxy(10.1538, 0.3261, 0.5779)

Conversions

Conversions Part 1

Format	Color
Hex	286701
RGB	40, 103, 1
RGB Percent	16%, 40%, 0%
CMY	0.8433, 0.5961, 0.9960
CMYK	0.61, 0.00, 0.99, 0.60
HSL	97°, 98%, 20%
HSV	97°, 99%, 40%
XYZ	5.7296, 10.1538, 1.6867
YIQ	72.5350, -4.8060, -45.0780

Conversions

Conversions Part 2

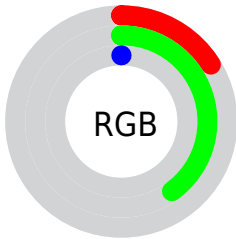
Format	Color
R_{YB}	1, 103, 64
Decimal	2647809
CIE _{Lab}	38.12, -37.21, 43.45
CIE _{LCh}	38, 57.207, 130.580
Yxy	10.1538, 0.3261, 0.5779
Android (android.graphics.Color)	4280837889 (0xFF286701)
YUV	72.5350, -35.2668, -28.5332
Hunter-Lab	31.8650, -23.6678, 19.1671

Details

The Yxy color **10.1538, 0.3261, 0.5779** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.0932, 0.2328, 0.1064**, and the grayscale version is **6.6392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1279, 0.3329, 0.5086**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1396, 0.3258, 0.5795**, and if you desaturate by 10%, it is **10.3151, 0.3296, 0.5616**.

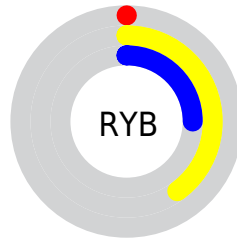
Distribution



Red (16%)

Green (40%)

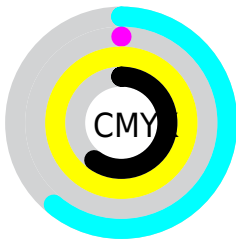
Blue (0%)



Red (0%)

Yellow (40%)

Blue (25%)

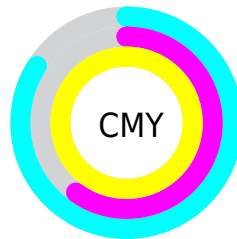


Cyan (61%)

Magenta (0%)

Yellow (99%)

Black (60%)



Cyan (84%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1538, 0.3261, 0.5779 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 10.1538, 0.3261, 0.5779 by changing the saturation by 10% instead.


 10.1538, 0.3261,
0.5779


 10.1538, 0.3261,
0.5779


 191.7663, 0.3288,
0.4164


 5.5011, 0.3173,
0.6417


 26.0844, 0.3330,
0.5080


 2.5441, 0.2837,
0.7163

 38.1310, 0.3333,
0.4852

 0.8987, 0.0000,
1.0000

 53.4110, 0.3328,
0.4674


 0.0000, 0.0000,
0.0000


 72.3089, 0.3321,
0.4531


 95.2089, 0.3313,
0.4414


 122.4956, 0.3305,


0.4316

 154.5532, 0.3296,
0.4234

 10.1538, 0.3261,
0.5779


 10.1538, 0.3261,
0.5779


 10.1396, 0.3258,
0.5795

 10.3151, 0.3296,
0.5616

 10.5068, 0.3325,
0.5422

 10.7372, 0.3338,
0.5181

 11.0089, 0.3335,
0.4908

 11.3241, 0.3318,
0.4616

■ 11.6851, 0.3290,
0.4321

■ 12.0936, 0.3254,
0.4032

■ 12.5516, 0.3212,
0.3757

■ 13.0606, 0.3168,
0.3502

Harmonies

Analogous

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



10.1538, 0.4373, 0.5282



10.1538, 0.3261, 0.5779



10.1538, 0.2179, 0.5047

Triad

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



10.1538, 0.3261, 0.5779



10.1538, 0.1224, 0.1662



10.1538, 0.5078, 0.2795

Complementary

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



10.1538, 0.3261, 0.5779



2.0932, 0.2328, 0.1064

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.



10.1538, 0.3796, 0.2140



10.1538, 0.3261, 0.5779



10.1538, 0.1652, 0.1523

Square

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



10.1538, 0.3261, 0.5779



10.1538, 0.1140, 0.2226



10.1538, 0.2507, 0.1692



10.1538, 0.5620, 0.3542

Rectangle

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



10.1538, 0.3261, 0.5779



10.1538, 0.1623, 0.3972



10.1538, 0.2507, 0.1692



10.1538, 0.4701, 0.2562

Sweetspot

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



10.1542, 0.3261, 0.5779



21.5095, 0.3261, 0.4084



6.5425, 0.4995, 0.4400



5.1914, 0.3273, 0.4174



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.



10.1542, 0.3261, 0.5779



18.0896, 0.3238, 0.5811



9.7371, 0.2961, 0.5841



3.1888, 0.3168, 0.3499



12.7360, 0.3250, 0.5802



65.9547, 0.3210, 0.5833

Inverse Universe

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



2.0932, 0.2328, 0.1064



3.6172, 0.2294, 0.1037



3.6630, 0.3505, 0.1712



2.8395, 0.3083, 0.3083



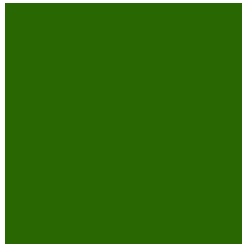
2.5690, 0.2308, 0.1045



12.8855, 0.2258, 0.1017

Previews

White Background



This preview shows how the Yxy color 10.1538, 0.3261, 0.5779 looks on a white background.

Color Contrast Check

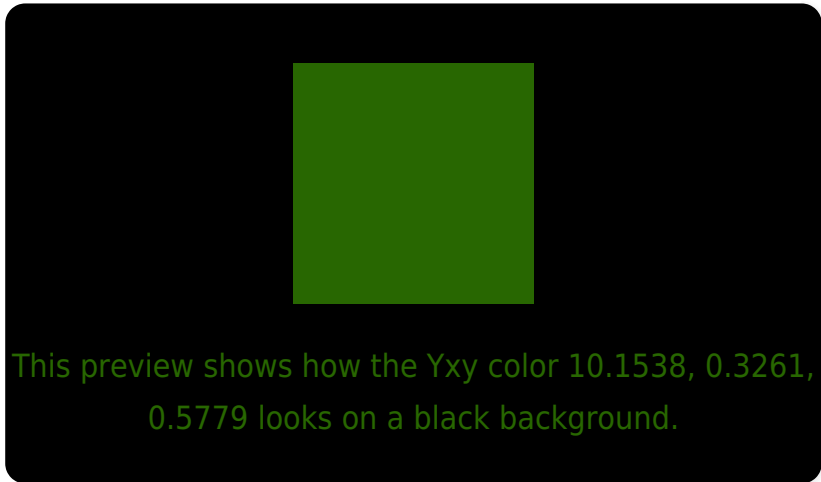
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1538, 0.3261, 0.5779

Background



This preview shows how black text looks on a background with the Yxy color 10.1538, 0.3261, 0.5779.



This preview shows how white text looks on a background with the Yxy color 10.1538, 0.3261, 0.5779.

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

10.1538, 0.3261, 0.5779

Protanopia

10.0790, 0.4386, 0.4899

Deuteranopia

10.0656, 0.4548, 0.4487



Tritanopia

10.2149, 0.2529, 0.3105

Trichromacy



Original Color

10.1538, 0.3261, 0.5779

Protanomaly

9.8467, 0.3917, 0.5272

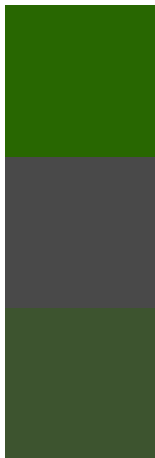
Deuteranomaly

9.6644, 0.4016, 0.5012

Tritanomaly

10.0208, 0.2891, 0.4253

Monochromacy



Original Color

10.1538, 0.3261, 0.5779

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.5380, 0.3300, 0.4436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1538, 0.3261, 0.5779 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(40, 103, 1)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 103, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 103, 1) }
```

Border

The CSS property to change the border of an element to Yxy 10.1538, 0.3261, 0.5779 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(40, 103, 1) }
```

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

```
.border{ border-color:rgb(40, 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(40, 103, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 103, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 103, 1);  
box-shadow:4px 4px 4px 4px rgb(40, 103, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1538, 0.3261, 0.5779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 103, 1) }
```

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

```
.background{ background-color: rgb(40, 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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