

Converting Colors

$Yxy(14.1934, 0.2482, 0.3718)$

Have a look what the booklet for
Yxy(14.1934, 0.2482, 0.3718)
contains.

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Color

Yxy(14.2538, 0.2483, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	237665
RGB	35, 118, 101
RGB Percent	14%, 46%, 40%
CMY	0.8630, 0.5372, 0.6039
CMYK	0.70, 0.00, 0.14, 0.54
HSL	168°, 54%, 30%
HSV	168°, 70%, 46%
XYZ	9.5191, 14.2538, 14.5643
YIQ	91.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

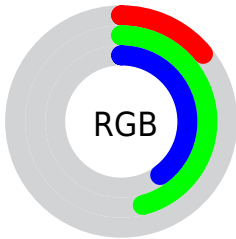
Format	Color
R_{YB}	35, 81, 118
Decimal	2324069
CIE _{Lab}	44.59, -28.99, 2.19
CIE _{LCh}	45, 29.070, 175.680
Yxy	14.2538, 0.2483, 0.3718
Android (android.graphics.Color)	4280514149 (0xFF237665)
YUV	91.2450, 4.8092, -49.3269
Hunter-Lab	37.7542, -21.0638, 3.5558

Details

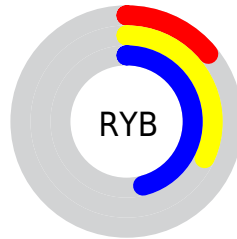
The Yxy color **14.2538, 0.2483, 0.3718** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.2973, 0.4884, 0.2977**, and the grayscale version is **10.5130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6681, 0.2644, 0.3612**, and **4.5226, 0.2423, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **14.0353, 0.2448, 0.3789**, and if you desaturate by 10%, it is **14.5442, 0.2535, 0.3648**.

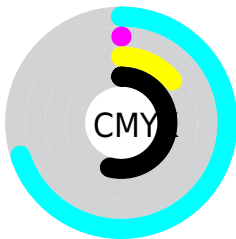
Distribution



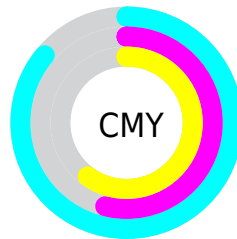
- Red (14%)
- Green (46%)
- Blue (40%)



- Red (14%)
- Yellow (32%)
- Blue (46%)



- Cyan (70%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)




- Cyan (86%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2538, 0.2483, 0.3718 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 14.2538, 0.2483, 0.3718 by changing the saturation by 10% instead.


 14.2538, 0.2483,
0.3718


 14.2538, 0.2483,
0.3718


 218.8041, 0.2867,
0.3460


 8.2974, 0.2357,
0.3804


 33.5387, 0.2642,
0.3610


 4.2858, 0.2172,
0.3934

 47.6360, 0.2695,
0.3574

 1.8347, 0.1873,
0.4149

 65.2156, 0.2738,
0.3546

 0.5087, 0.0000,
0.5593

 86.6621, 0.2773,
0.3522

 0.0000, 0.0000,
0.0000

 112.3598, 0.2803,
0.3503

 142.6931, 0.2828,

0.3486

178.0464, 0.2849,
0.3472

■ 14.2538, 0.2483,
0.3718

■ 14.2538, 0.2483,
0.3718

■ 14.0353, 0.2448,
0.3789

■ 14.5442, 0.2535,
0.3648

■ 13.8798, 0.2432,
0.3861

■ 14.9113, 0.2604,
0.3579

■ 13.7642, 0.2425,
0.3930

■ 15.3610, 0.2688,
0.3514

■ 15.8986, 0.2784,
0.3452

■ 16.5287, 0.2890,
0.3394

■ 17.2556, 0.3004,
0.3341

■ 18.0834, 0.3122,
0.3292

■ 19.0158, 0.3244,
0.3248

■ 20.0566, 0.3366,
0.3208

Harmonies

Analogous

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



14.2538, 0.3010, 0.4230



14.2538, 0.2483, 0.3718



14.2538, 0.2147, 0.3101

Triad

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



14.2538, 0.2483, 0.3718



14.2538, 0.2591, 0.2367



14.2538, 0.4324, 0.3790

Complementary

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



14.2538, 0.2483, 0.3718



5.2973, 0.4884, 0.2977

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.



14.2538, 0.4211, 0.3326



14.2538, 0.2483, 0.3718



14.2538, 0.3154, 0.2549

Square

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



14.2538, 0.2483, 0.3718



14.2538, 0.2208, 0.2383



14.2538, 0.3765, 0.2888



14.2538, 0.4086, 0.4192

Rectangle

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



14.2538, 0.2483, 0.3718



14.2538, 0.2058, 0.2760



14.2538, 0.3765, 0.2888



14.2538, 0.4328, 0.3637

Sweetspot

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



14.2544, 0.2483, 0.3718



28.9267, 0.2878, 0.3400



13.8344, 0.3184, 0.5341



6.5946, 0.2855, 0.3412



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.2544, 0.2483, 0.3718



24.5073, 0.2437, 0.3830



9.7532, 0.2202, 0.2682



4.1431, 0.3020, 0.3334



14.8873, 0.2426, 0.3932



72.4223, 0.2436, 0.3971

Inverse Universe

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



5.2973, 0.4884, 0.2977



7.6825, 0.5495, 0.3002



7.0465, 0.4950, 0.3746



3.7120, 0.3247, 0.3247



4.2372, 0.5984, 0.3070



20.5456, 0.6102, 0.3135

Previews

White Background



This preview shows how the Yxy color 14.2538, 0.2483, 0.3718 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 14.2538, 0.2483, 0.3718 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 14.2538, 0.2483, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 14.2538, 0.2483, 0.3718.

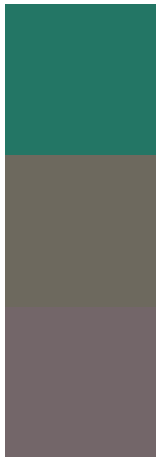


This preview shows how white text looks on a background with the Yxy color 14.2538, 0.2483, 0.3718.

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

14.2538, 0.2483, 0.3718

Protanopia

14.1625, 0.3331, 0.3527

Deuteranopia

14.1675, 0.3275, 0.3229



Tritanopia

14.2975, 0.2346, 0.3078

Trichromacy



Original Color

14.2538, 0.2483, 0.3718

Protanomaly

13.8088, 0.2920, 0.3596

Deuteranomaly

13.7030, 0.2887, 0.3381

Tritanomaly

14.2440, 0.2390, 0.3288

Monochromacy



Original Color

14.2538, 0.2483, 0.3718

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.4732, 0.2795, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2538, 0.2483, 0.3718 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, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(35, 118, 101)  
}
```

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, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 118, 101) }
```

Border

The CSS property to change the border of an element to Yxy 14.2538, 0.2483, 0.3718 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, 118, 101) }
```

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

```
.border{ border-color:rgb(35, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(35, 118,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2538, 0.2483, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 118, 101) }
```

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

```
.background{ background-color: rgb(35, 118,  
101) }
```

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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