

Converting Colors

$Y_{xy}(10.3310, 0.2517, 0.3964)$

Have a look what the booklet for
Yxy(10.3310, 0.2517, 0.3964)
contains.

Yxy(10.2525, 0.2511, 0.3942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2525, 0.2511, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	166650
RGB	22, 102, 80
RGB Percent	9%, 40%, 31%
CMY	0.9136, 0.6000, 0.6863
CMYK	0.78, 0.00, 0.22, 0.60
HSL	163°, 64%, 24%
HSV	163°, 78%, 40%
XYZ	6.5307, 10.2525, 9.2252
YIQ	75.5720, -40.6180, -23.8020

Conversions

Conversions Part 2

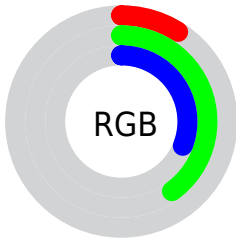
Format	Color
R_{YB}	22, 68, 102
Decimal	1467984
CIE _{Lab}	38.29, -29.23, 5.76
CIE _{LCh}	38, 29.789, 168.842
Yxy	10.2525, 0.2511, 0.3942
Android (android.graphics.Color)	4279658064 (0xFF166650)
YUV	75.5720, 2.1830, -46.9826
Hunter-Lab	32.0195, -19.6273, 5.3316

Details

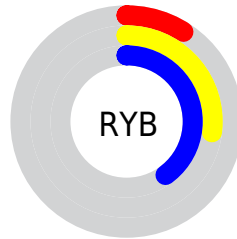
The Yxy color **10.2525, 0.2511, 0.3942** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.5815, 0.4957, 0.2853**, and the grayscale version is **7.1480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3584, 0.2679, 0.3767**, and **2.7657, 0.2512, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **10.1183, 0.2494, 0.4040**, and if you desaturate by 10%, it is **10.4351, 0.2545, 0.3845**.

Distribution



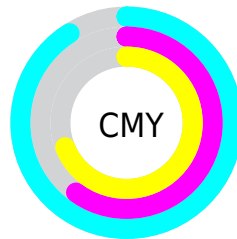
- Red (9%)
- Green (40%)
- Blue (31%)



- Red (9%)
- Yellow (27%)
- Blue (40%)



- Cyan (78%)
- Magenta (0%)
- Yellow (22%)
- Black (60%)



- Cyan (91%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2525, 0.2511, 0.3942 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 10.2525, 0.2511, 0.3942 by changing the saturation by 10% instead.

■ 10.2525, 0.2511,
0.3942

■ 10.2525, 0.2511,
0.3942

■ 192.4648, 0.2899,
0.3524

■ 5.5667, 0.2368,
0.4102

■ 26.2694, 0.2680,
0.3757

■ 2.5834, 0.2142,
0.4365

■ 38.3692, 0.2734,
0.3699

■ 0.9183, 0.0950,
0.5486

■ 53.7092, 0.2776,
0.3654


■ 0.0000, 0.0000,
0.0000

■ 72.6737, 0.2810,
0.3618

■ 95.6471, 0.2839,
0.3588


■ 123.0138, 0.2862,


0.3563


 155.1583, 0.2882,
0.3542

 10.2525, 0.2511,
0.3942


 10.2525, 0.2511,
0.3942


 10.1183, 0.2494,
0.4040


 10.4351, 0.2545,
0.3845


 10.0130, 0.2488,
0.4138

 10.6697, 0.2597,
0.3750

 9.9965, 0.2487,
0.4154

 10.9611, 0.2663,
0.3659

 11.3130, 0.2743,
0.3572

 11.7289, 0.2833,
0.3490

■ 12.2120, 0.2932,
0.3414

■ 12.7653, 0.3036,
0.3344

■ 13.3916, 0.3145,
0.3280

■ 14.0935, 0.3254,
0.3223

Harmonies

Analogous

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



10.2525, 0.3136, 0.4463



10.2525, 0.2511, 0.3942



10.2525, 0.2081, 0.3219

Triad

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



10.2525, 0.2511, 0.3942



10.2525, 0.2399, 0.2237



10.2525, 0.4500, 0.3719

Complementary

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



10.2525, 0.2511, 0.3942



3.5815, 0.4957, 0.2853

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.



10.2525, 0.4281, 0.3202



10.2525, 0.2511, 0.3942



10.2525, 0.2994, 0.2394

Square

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



10.2525, 0.2511, 0.3942



10.2525, 0.2031, 0.2303



10.2525, 0.3701, 0.2736



10.2525, 0.4302, 0.4208

Rectangle

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



10.2525, 0.2511, 0.3942



10.2525, 0.1944, 0.2798



10.2525, 0.3701, 0.2736



10.2525, 0.4475, 0.3545

Sweetspot

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



10.2529, 0.2511, 0.3942



20.8709, 0.2869, 0.3461



10.1115, 0.3229, 0.5473



4.8747, 0.2844, 0.3480



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.



10.2529, 0.2511, 0.3942



17.6050, 0.2493, 0.4120



7.5756, 0.2185, 0.2780



3.1730, 0.3031, 0.3347



12.8320, 0.2491, 0.4166



66.7731, 0.2507, 0.4224

Inverse Universe

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



3.5815, 0.4957, 0.2853



5.2956, 0.5586, 0.2923



4.3571, 0.5308, 0.3636



2.8577, 0.3233, 0.3234



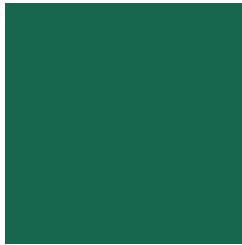
3.7298, 0.5745, 0.2939



19.3222, 0.5890, 0.3018

Previews

White Background



This preview shows how the Yxy color 10.2525, 0.2511, 0.3942 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 10.2525, 0.2511, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

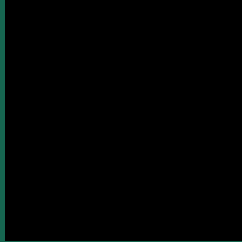
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2525, 0.2511, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 10.2525, 0.2511, 0.3942.



This preview shows how white text looks on a background with the Yxy color 10.2525, 0.2511, 0.3942.

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

10.2525, 0.2511, 0.3942

Protanopia

10.2396, 0.3457, 0.3683

Deuteranopia

10.2076, 0.3428, 0.3385



Tritanopia

10.1693, 0.2337, 0.3073

Trichromacy



Original Color

10.2525, 0.2511, 0.3942

Protanomaly

9.7562, 0.2985, 0.3787

Deuteranomaly

9.6412, 0.2962, 0.3560

Tritanomaly

10.0938, 0.2390, 0.3344

Monochromacy



Original Color

10.2525, 0.2511, 0.3942

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.8736, 0.2788, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2525, 0.2511, 0.3942 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(22, 102, 80)` looks like.

```
.text, #text, p{  
    color:rgb(22, 102, 80)  
}
```

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(22, 102, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 102, 80) }
```

Border

The CSS property to change the border of an element to Yxy 10.2525, 0.2511, 0.3942 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(22, 102, 80) }
```

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

```
.border{ border-color:rgb(22, 102, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 102, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 102, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 102, 80);  
box-shadow:4px 4px 4px 4px rgb(22, 102,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2525, 0.2511, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 102, 80) }
```

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

```
.background{ background-color: rgb(22, 102,  
80) }
```

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