

Converting Colors

$Yxy(13.6976, 0.2739, 0.4442)$

Have a look what the booklet for
Yxy(13.6976, 0.2739, 0.4442)
contains.

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Color

Yxy(13.6291, 0.2736, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	26754A
RGB	38, 117, 74
RGB Percent	15%, 46%, 29%
CMY	0.8509, 0.5412, 0.7099
CMYK	0.68, 0.00, 0.37, 0.54
HSL	147°, 51%, 30%
HSV	147°, 68%, 46%
XYZ	8.3966, 13.6291, 8.6636
YIQ	88.4770, -33.2810, -30.1210

Conversions

Conversions Part 2

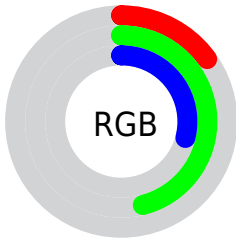
Format	Color
R_{YB}	38, 92, 117
Decimal	2520394
CIE _{Lab}	43.70, -34.63, 16.90
CIE _{LCh}	44, 38.531, 153.981
Yxy	13.6291, 0.2736, 0.4441
Android (android.graphics.Color)	4280710474 (0xFF26754A)
YUV	88.4770, -7.1372, -44.2683
Hunter-Lab	36.9176, -24.0076, 11.9285

Details

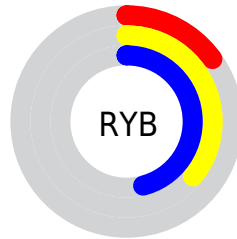
The Yxy color **13.6291, 0.2736, 0.4441** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.7639, 0.4018, 0.2434**, and the grayscale version is **9.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5067, 0.2851, 0.4125**, and **4.2230, 0.2735, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **13.3595, 0.2722, 0.4645**, and if you desaturate by 10%, it is **13.9785, 0.2767, 0.4239**.

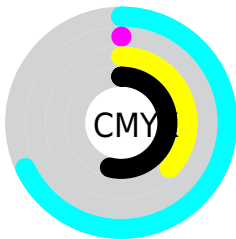
Distribution



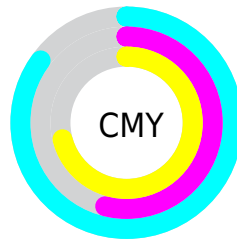
- Red (15%)
- Green (46%)
- Blue (29%)



- Red (15%)
- Yellow (36%)
- Blue (46%)



- Cyan (68%)
- Magenta (0%)
- Yellow (37%)
- Black (54%)





- Cyan (85%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6291, 0.2736, 0.4441 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 13.6291, 0.2736, 0.4441 by changing the saturation by 10% instead.

 13.6291, 0.2736,
0.4441


 13.6291, 0.2736,
0.4441


214.9111, 0.2990,
0.3712


 7.8632, 0.2638,
0.4710


 32.4295, 0.2849,
0.4123


 4.0075, 0.2477,
0.5135

 46.2327, 0.2884,
0.4021

 1.6778, 0.2172,
0.6117

 63.4837, 0.2912,
0.3942

 0.4092, 0.0000,
1.0000

 84.5671, 0.2934,
0.3878

 0.0000, 0.0000,
0.0000

 109.8671, 0.2952,
0.3825

 139.7682, 0.2967,

0.3781

174.6547, 0.2979,
0.3744

■ 13.6291, 0.2736,
0.4441

■ 13.6291, 0.2736,
0.4441

■ 13.3595, 0.2722,
0.4645

■ 13.9785, 0.2767,
0.4239

■ 13.1610, 0.2725,
0.4846

■ 14.4121, 0.2811,
0.4043

■ 13.0165, 0.2742,
0.5038

■ 14.9362, 0.2867,
0.3858

■ 12.9827, 0.2746,
0.5085

■ 15.5557, 0.2931,
0.3687

■ 16.2754, 0.3000,
0.3529

■ 17.0996, 0.3072,
0.3387

■ 18.0323, 0.3145,
0.3260

■ 19.0775, 0.3219,
0.3146

■ 20.2389, 0.3290,
0.3046

Harmonies

Analogous

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



13.6291, 0.3502, 0.4789



13.6291, 0.2736, 0.4441



13.6291, 0.2119, 0.3622

Triad

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



13.6291, 0.2736, 0.4441



13.6291, 0.2042, 0.2083



13.6291, 0.4674, 0.3462

Complementary

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



13.6291, 0.2736, 0.4441



5.7639, 0.4018, 0.2434

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.



13.6291, 0.4184, 0.2899



13.6291, 0.2736, 0.4441



13.6291, 0.2596, 0.2146

Square

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



13.6291, 0.2736, 0.4441



13.6291, 0.1772, 0.2286



13.6291, 0.3380, 0.2435



13.6291, 0.4660, 0.4051

Rectangle

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



13.6291, 0.2736, 0.4441



13.6291, 0.1866, 0.3052



13.6291, 0.3380, 0.2435



13.6291, 0.4563, 0.3268

Sweetspot

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



13.6297, 0.2736, 0.4441



28.7364, 0.2979, 0.3575



14.6328, 0.3510, 0.5063



6.5411, 0.2963, 0.3609



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.



13.6297, 0.2736, 0.4441



23.7086, 0.2721, 0.4758



14.3289, 0.2396, 0.3384



4.1234, 0.3061, 0.3408



14.3005, 0.2748, 0.5093



69.5194, 0.2774, 0.5187

Inverse Universe

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



5.7639, 0.4018, 0.2434



8.5095, 0.4336, 0.2348



5.3362, 0.5102, 0.3223



3.7311, 0.3199, 0.3175



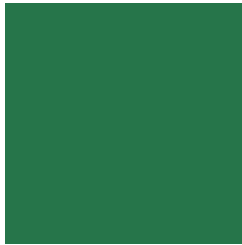
4.5681, 0.4704, 0.2365



22.0860, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 13.6291, 0.2736, 0.4441 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 13.6291, 0.2736, 0.4441 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 13.6291, 0.2736, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 13.6291, 0.2736, 0.4441.



This preview shows how white text looks on a background with the Yxy color 13.6291, 0.2736, 0.4441.

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

13.6291, 0.2736, 0.4441

Protanopia

13.4974, 0.3731, 0.4045

Deuteranopia

13.5387, 0.3774, 0.3724



Tritanopia

13.5372, 0.2420, 0.3076

Trichromacy



Original Color

13.6291, 0.2736, 0.4441

Protanomaly

13.0521, 0.3270, 0.4216

Deuteranomaly

13.0680, 0.3290, 0.3978

Tritanomaly

13.4425, 0.2533, 0.3539

Monochromacy



Original Color

13.6291, 0.2736, 0.4441

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.8503, 0.2925, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6291, 0.2736, 0.4441 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(38, 117, 74)` looks like.

```
.text, #text, p{  
    color:rgb(38, 117, 74)  
}
```

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(38, 117, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 117, 74) }
```

Border

The CSS property to change the border of an element to Yxy 13.6291, 0.2736, 0.4441 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(38, 117, 74) }
```

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

```
.border{ border-color:rgb(38, 117, 74) }
```

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

Here you see how a box with a 4 pixel rgb(38, 117, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 117, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 117, 74);  
box-shadow:4px 4px 4px 4px rgb(38, 117,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6291, 0.2736, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 117, 74) }
```

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

```
.background{ background-color: rgb(38, 117,  
74) }
```

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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