

Converting Colors

$Y_{xy}(13.5735, 0.2826, 0.4791)$

Have a look what the booklet for
Yxy(13.5735, 0.2826, 0.4791)
contains.

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Color

Yxy(13.6620, 0.2824, 0.4798)

Conversions

Conversions Part 1

Format	Color
Hex	23763E
RGB	35, 118, 62
RGB Percent	14%, 46%, 24%
CMY	0.8627, 0.5372, 0.7568
CMYK	0.70, 0.00, 0.47, 0.54
HSL	140°, 54%, 30%
HSV	140°, 70%, 46%
XYZ	8.0412, 13.6620, 6.7712
YIQ	86.7990, -31.4920, -35.0120

Conversions

Conversions Part 2

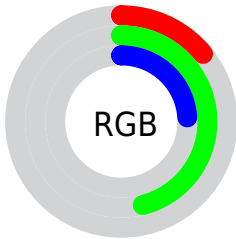
Format	Color
RYB	35, 98, 118
Decimal	2324030
CIELab	43.74, -38.02, 23.77
CIELCh	44, 44.839, 147.987
Yxy	13.6620, 0.2824, 0.4798
Android (android.graphics.Color)	4280514110 (0xFF23763E)
YUV	86.7990, -12.2259, -45.4277
Hunter-Lab	36.9621, -25.8509, 15.0120

Details

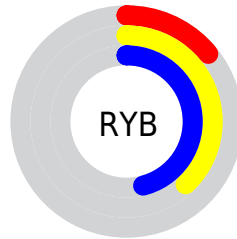
The Yxy color **13.6620, 0.2824, 0.4798** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.8091, 0.3793, 0.2212**, and the grayscale version is **9.5177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4758, 0.2930, 0.4386**, and **4.1747, 0.2866, 0.5519** is the 20% darker color. If you saturate the color by 10%, you get **13.4087, 0.2821, 0.5041**, and if you desaturate by 10%, it is **13.9988, 0.2842, 0.4549**.

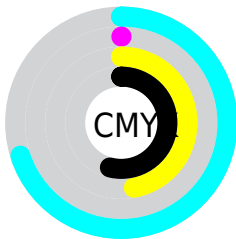
Distribution



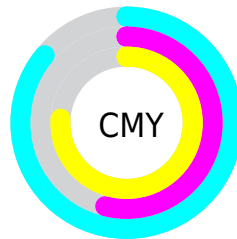
- Red (14%)
- Green (46%)
- Blue (24%)



- Red (14%)
- Yellow (38%)
- Blue (46%)



- Cyan (70%)
- Magenta (0%)
- Yellow (47%)
- Black (54%)





- Cyan (86%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6620, 0.2824, 0.4798 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 13.6620, 0.2824, 0.4798 by changing the saturation by 10% instead.


 13.6620, 0.2824,
0.4798


 13.6620, 0.2824,
0.4798


215.1179, 0.3039,
0.3836


 7.8860, 0.2727,
0.5153


 32.4881, 0.2927,
0.4377


 4.0221, 0.2557,
0.5711

 46.3069, 0.2956,
0.4243


 1.6859, 0.2351,
0.7649

 63.5755, 0.2979,
0.4138

 0.4145, 0.0000,
1.0000

 84.6781, 0.2996,
0.4053

 0.0000, 0.0000,
0.0000

 109.9993, 0.3010,
0.3984

 139.9234, 0.3021,

0.3926

174.8348, 0.3031,
0.3878

■ 13.6620, 0.2824,
0.4798

■ 13.6620, 0.2824,
0.4798

■ 13.4087, 0.2821,
0.5041

■ 13.9988, 0.2842,
0.4549

■ 13.2292, 0.2833,
0.5267

■ 14.4241, 0.2873,
0.4302

■ 13.0998, 0.2851,
0.5465

■ 14.9445, 0.2914,
0.4066

■ 15.5657, 0.2962,
0.3845

■ 16.2927, 0.3014,
0.3642

■ 17.1303, 0.3069,
0.3459

■ 18.0828, 0.3125,
0.3295

■ 19.1546, 0.3180,
0.3150

■ 20.3495, 0.3234,
0.3022

Harmonies

Analogous

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



13.6620, 0.3698, 0.5025



13.6620, 0.2824, 0.4798



13.6620, 0.2080, 0.3883

Triad

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



13.6620, 0.2824, 0.4798



13.6620, 0.1812, 0.1941



13.6620, 0.4852, 0.3324

Complementary

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



13.6620, 0.2824, 0.4798



5.8091, 0.3793, 0.2212

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.



13.6620, 0.4182, 0.2719



13.6620, 0.2824, 0.4798



13.6620, 0.2363, 0.1964

Square

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



13.6620, 0.2824, 0.4798



13.6620, 0.1578, 0.2220



13.6620, 0.3216, 0.2239



13.6620, 0.4931, 0.3981

Rectangle

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



13.6620, 0.2824, 0.4798



13.6620, 0.1757, 0.3183



13.6620, 0.3216, 0.2239



13.6620, 0.4687, 0.3114

Sweetspot

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



13.6626, 0.2824, 0.4798



28.4855, 0.3008, 0.3665



15.3395, 0.3665, 0.5034



6.4846, 0.2997, 0.3707



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.



13.6626, 0.2824, 0.4798



23.3794, 0.2826, 0.5174



14.2897, 0.2469, 0.3671



4.1160, 0.3077, 0.3436



14.1695, 0.2853, 0.5472



68.9077, 0.2879, 0.5565

Inverse Universe

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



5.8091, 0.3793, 0.2212



8.5973, 0.4004, 0.2105



5.2860, 0.4932, 0.3013



3.7386, 0.3181, 0.3148



4.7849, 0.4199, 0.2087



23.1549, 0.4266, 0.2124

Previews

White Background



This preview shows how the Yxy color 13.6620, 0.2824, 0.4798 looks on a white background.

Color Contrast Check

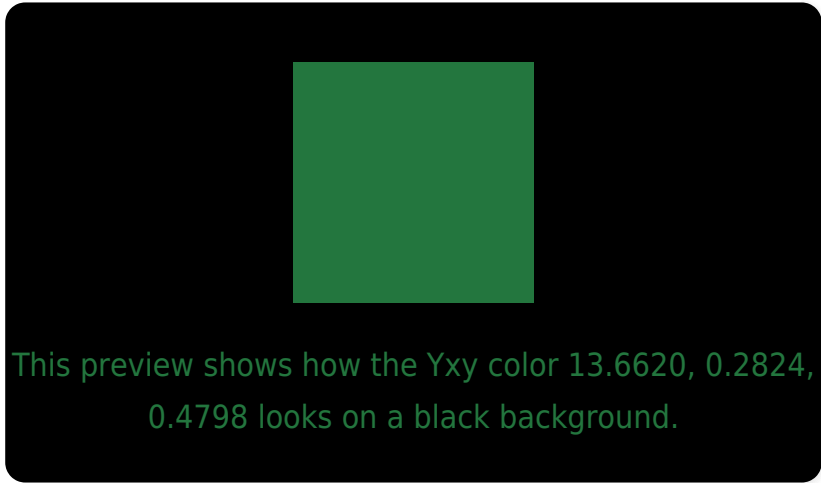
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6620, 0.2824, 0.4798

Background



This preview shows how black text looks on a background with the Yxy color 13.6620, 0.2824, 0.4798.



This preview shows how white text looks on a background with the Yxy color 13.6620, 0.2824, 0.4798.

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

13.6620, 0.2824, 0.4798

Protanopia

13.5066, 0.3908, 0.4257

Deuteranopia

13.4257, 0.3992, 0.3914



Tritanopia

13.5372, 0.2420, 0.3076

Trichromacy



Original Color

13.6620, 0.2824, 0.4798

Protanomaly

12.9722, 0.3414, 0.4475

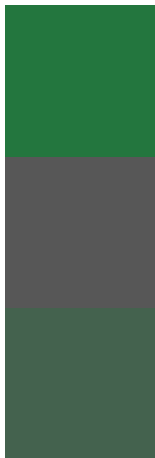
Deuteranomaly

12.7601, 0.3462, 0.4240

Tritanomaly

13.5639, 0.2566, 0.3668

Monochromacy



Original Color

13.6620, 0.2824, 0.4798

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.5144, 0.2961, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6620, 0.2824, 0.4798 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(35, 118, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 118, 62) }
```

Border

The CSS property to change the border of an element to Yxy 13.6620, 0.2824, 0.4798 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, 62) }
```

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

```
.border{ border-color:rgb(35, 118, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 118, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 118, 62);  
box-shadow:4px 4px 4px 4px rgb(35, 118,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6620, 0.2824, 0.4798 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, 62) }
```

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

```
.background{ background-color: rgb(35, 118,  
62) }
```

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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