

Converting Colors

$Y_{xy}(14.6459, 0.2837, 0.4982)$

Have a look what the booklet for
Yxy(14.6459, 0.2837, 0.4982)
contains.

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Color

Yxy(14.7474, 0.2838, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	1E7B3A
RGB	30, 123, 58
RGB Percent	12%, 48%, 23%
CMY	0.8823, 0.5176, 0.7726
CMYK	0.76, 0.00, 0.53, 0.52
HSL	138°, 61%, 30%
HSV	138°, 76%, 48%
XYZ	8.3824, 14.7474, 6.4064
YIQ	87.7830, -34.5630, -39.9310

Conversions

Conversions Part 2

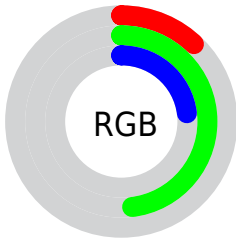
Format	Color
R_{YB}	30, 101, 123
Decimal	1997626
CIE _{Lab}	45.29, -41.61, 27.88
CIE _{LCh}	45, 50.082, 146.176
Yxy	14.7474, 0.2838, 0.4993
Android (android.graphics.Color)	4280187706 (0xFF1E7B3A)
YUV	87.7830, -14.6830, -50.6757
Hunter-Lab	38.4023, -28.2416, 16.9907

Details

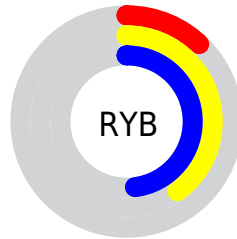
The Yxy color **14.7474, 0.2838, 0.4993** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.9676, 0.3809, 0.2124**, and the grayscale version is **9.7488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2361, 0.2939, 0.4512**, and **4.7916, 0.2921, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **14.5172, 0.2844, 0.5233**, and if you desaturate by 10%, it is **15.0657, 0.2847, 0.4738**.

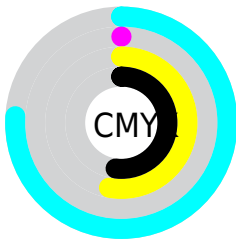
Distribution



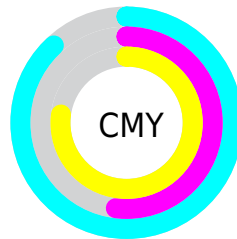
- Red (12%)
- Green (48%)
- Blue (23%)



- Red (12%)
- Yellow (40%)
- Blue (48%)



- Cyan (76%)
- Magenta (0%)
- Yellow (53%)
- Black (52%)




- Cyan (88%)
- Magenta (52%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7474, 0.2838, 0.4993 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 14.7474, 0.2838, 0.4993 by changing the saturation by 10% instead.


 14.7474, 0.2838,
0.4993


 14.7474, 0.2838,
0.4993


221.8322, 0.3052,
0.3913


 8.6423, 0.2737,
0.5382


 34.4094, 0.2943,
0.4524


 4.5086, 0.2556,
0.5978

 48.7352, 0.2973,
0.4374


 1.9619, 0.2320,
0.7680

 66.5699, 0.2995,
0.4255

 0.5852, 0.0000,
1.0000

 88.2980, 0.3012,
0.4160

 0.0000, 0.0000,
0.0000

 114.3039, 0.3025,
0.4082

 144.9719, 0.3036,

0.4016

180.6866, 0.3044,
0.3961

■ 14.7474, 0.2838,
0.4993

■ 14.7474, 0.2838,
0.4993

■ 14.5172, 0.2844,
0.5233

■ 15.0657, 0.2847,
0.4738

■ 14.3599, 0.2863,
0.5448

■ 15.4785, 0.2870,
0.4480

■ 14.2998, 0.2871,
0.5535

■ 15.9937, 0.2904,
0.4228

■ 16.6177, 0.2946,
0.3988

■ 17.3565, 0.2994,
0.3766

■ 18.2157, 0.3045,
0.3564

■ 19.2003, 0.3098,
0.3383

■ 20.3153, 0.3150,
0.3221

■ 21.5652, 0.3202,
0.3079

Harmonies

Analogous

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



14.7474, 0.3774, 0.5160



14.7474, 0.2838, 0.4993



14.7474, 0.2030, 0.4007

Triad

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



14.7474, 0.2838, 0.4993



14.7474, 0.1696, 0.1854



14.7474, 0.4974, 0.3266

Complementary

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



14.7474, 0.2838, 0.4993



5.9676, 0.3809, 0.2124

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.



14.7474, 0.4213, 0.2636



14.7474, 0.2838, 0.4993



14.7474, 0.2255, 0.1865

Square

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



14.7474, 0.2838, 0.4993



14.7474, 0.1470, 0.2161



14.7474, 0.3155, 0.2140



14.7474, 0.5082, 0.3957

Rectangle

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



14.7474, 0.2838, 0.4993



14.7474, 0.1678, 0.3226



14.7474, 0.3155, 0.2140



14.7474, 0.4784, 0.3047

Sweetspot

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



14.7480, 0.2838, 0.4993



31.3744, 0.3004, 0.3723



16.6988, 0.3700, 0.5128



7.2856, 0.2989, 0.3788



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.7480, 0.2838, 0.4993



25.7746, 0.2859, 0.5399



15.4503, 0.2458, 0.3746



4.4680, 0.3079, 0.3443



14.7919, 0.2872, 0.5538



70.4247, 0.2896, 0.5626

Inverse Universe

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



5.9676, 0.3809, 0.2124



9.1440, 0.4025, 0.2047



5.3593, 0.5113, 0.2985



4.0579, 0.3178, 0.3142



5.0503, 0.4112, 0.2039



23.9344, 0.4171, 0.2071

Previews

White Background



This preview shows how the Yxy color 14.7474, 0.2838, 0.4993 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 14.7474, 0.2838, 0.4993 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 14.7474, 0.2838, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 14.7474, 0.2838, 0.4993.



This preview shows how white text looks on a background with the Yxy color 14.7474, 0.2838, 0.4993.

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

14.7474, 0.2838, 0.4993

Protanopia

14.6240, 0.3994, 0.4368

Deuteranopia

14.5400, 0.4075, 0.4022



Tritanopia

14.7837, 0.2403, 0.3083

Trichromacy



Original Color

14.7474, 0.2838, 0.4993

Protanomaly

14.0645, 0.3446, 0.4645

Deuteranomaly

13.8268, 0.3486, 0.4399

Tritanomaly

14.7141, 0.2556, 0.3734

Monochromacy



Original Color

14.7474, 0.2838, 0.4993

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.0365, 0.2961, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7474, 0.2838, 0.4993 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(30, 123, 58)` looks like.

```
.text, #text, p{  
    color:rgb(30, 123, 58)  
}
```

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(30, 123, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 123, 58) }
```

Border

The CSS property to change the border of an element to Yxy 14.7474, 0.2838, 0.4993 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(30, 123, 58) }
```

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

```
.border{ border-color:rgb(30, 123, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 123, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 123, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 123, 58);  
box-shadow:4px 4px 4px 4px rgb(30, 123,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7474, 0.2838, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 123, 58) }
```

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

```
.background{ background-color: rgb(30, 123,  
58) }
```

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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