

Converting Colors

$Y_{xy}(13.1158, 0.2746, 0.4633)$

Have a look what the booklet for
Yxy(13.1158, 0.2746, 0.4633)
contains.

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Color

Yxy(13.1720, 0.2744, 0.4637)

Conversions

Conversions Part 1

Format	Color
Hex	1E7443
RGB	30, 116, 67
RGB Percent	12%, 45%, 26%
CMY	0.8821, 0.5451, 0.7373
CMYK	0.74, 0.00, 0.42, 0.55
HSL	146°, 59%, 29%
HSV	146°, 74%, 45%
XYZ	7.7947, 13.1720, 7.4396
YIQ	84.7000, -35.5270, -33.4710

Conversions

Conversions Part 2

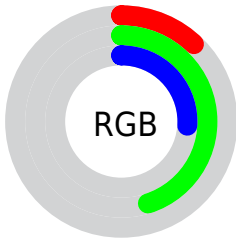
Format	Color
R_{YB}	30, 90, 116
Decimal	1995843
CIE _{Lab}	43.02, -37.17, 20.00
CIE _{LCh}	43, 42.208, 151.720
Yxy	13.1720, 0.2744, 0.4637
Android (android.graphics.Color)	4280185923 (0xFF1E7443)
YUV	84.7000, -8.7261, -47.9719
Hunter-Lab	36.2933, -25.1768, 13.2517

Details

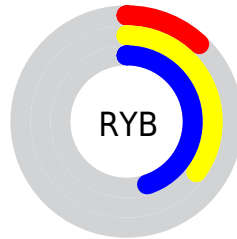
The Yxy color **13.1720, 0.2744, 0.4637** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.2097, 0.4086, 0.2344**, and the grayscale version is **9.0455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6631, 0.2857, 0.4253**, and **4.0762, 0.2800, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **12.9538, 0.2742, 0.4847**, and if you desaturate by 10%, it is **13.4646, 0.2763, 0.4424**.

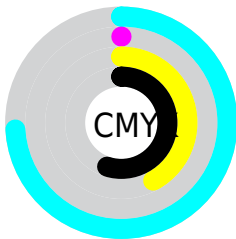
Distribution



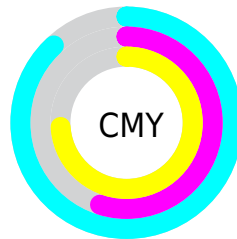
- Red (12%)
- Green (45%)
- Blue (26%)



- Red (12%)
- Yellow (35%)
- Blue (45%)



- Cyan (74%)
- Magenta (0%)
- Yellow (42%)
- Black (55%)





- Cyan (88%)
- Magenta (55%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1720, 0.2744, 0.4637 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 13.1720, 0.2744, 0.4637 by changing the saturation by 10% instead.


 13.1720, 0.2744,
0.4637


 13.1720, 0.2744,
0.4637


212.0171, 0.3001,
0.3775


 7.5471, 0.2638,
0.4959


 31.6124, 0.2862,
0.4258


 3.8065, 0.2459,
0.5473

 45.1968, 0.2897,
0.4138


 1.5659, 0.2103,
0.7117

 62.2030, 0.2925,
0.4045

 0.3345, 0.0000,
1.0000

 83.0156, 0.2946,
0.3969

 0.0000, 0.0000,
0.0000

 108.0189, 0.2964,
0.3908

 137.5973, 0.2978,

0.3856

172.1352, 0.2991,
0.3813

■ 13.1720, 0.2744,
0.4637

■ 13.1720, 0.2744,
0.4637

■ 12.9538, 0.2742,
0.4847

■ 13.4646, 0.2763,
0.4424

■ 12.7989, 0.2758,
0.5048

■ 13.8368, 0.2796,
0.4214

■ 12.7196, 0.2768,
0.5163

■ 14.2948, 0.2843,
0.4012

■ 14.8440, 0.2899,
0.3822

■ 15.4892, 0.2962,
0.3647

■ 16.2349, 0.3029,
0.3488

■ 17.0854, 0.3099,
0.3344

■ 18.0445, 0.3168,
0.3216

■ 19.1161, 0.3237,
0.3102

Harmonies

Analogous

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



13.1720, 0.3582, 0.4956



13.1720, 0.2744, 0.4637



13.1720, 0.2057, 0.3729

Triad

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



13.1720, 0.2744, 0.4637



13.1720, 0.1912, 0.1981



13.1720, 0.4816, 0.3410

Complementary

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



13.1720, 0.2744, 0.4637



5.2097, 0.4086, 0.2344

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.



13.1720, 0.4237, 0.2813



13.1720, 0.2744, 0.4637



13.1720, 0.2484, 0.2034

Square

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



13.1720, 0.2744, 0.4637



13.1720, 0.1647, 0.2215



13.1720, 0.3331, 0.2328



13.1720, 0.4826, 0.4047

Rectangle

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



13.1720, 0.2744, 0.4637



13.1720, 0.1772, 0.3080



13.1720, 0.3331, 0.2328



13.1720, 0.4681, 0.3203

Sweetspot

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



13.1725, 0.2744, 0.4637



27.4172, 0.2972, 0.3622



14.2983, 0.3555, 0.5185



6.4800, 0.2958, 0.3656



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.



13.1725, 0.2744, 0.4637



22.5673, 0.2752, 0.4992



13.8681, 0.2384, 0.3467



4.1219, 0.3064, 0.3413



14.2709, 0.2770, 0.5173



69.3789, 0.2797, 0.5269

Inverse Universe

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



5.2097, 0.4086, 0.2344



7.7026, 0.4417, 0.2295



4.7791, 0.5318, 0.3175



3.7326, 0.3196, 0.3170



4.6065, 0.4601, 0.2308



22.2738, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 13.1720, 0.2744, 0.4637 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 13.1720, 0.2744, 0.4637 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 13.1720, 0.2744, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 13.1720, 0.2744, 0.4637.



This preview shows how white text looks on a background with the Yxy color 13.1720, 0.2744, 0.4637.

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

13.1720, 0.2744, 0.4637

Protanopia

12.9593, 0.3826, 0.4157

Deuteranopia

13.0103, 0.3863, 0.3810



Tritanopia

13.1876, 0.2393, 0.3073

Trichromacy



Original Color

13.1720, 0.2744, 0.4637

Protanomaly

12.4163, 0.3318, 0.4362

Deuteranomaly

12.3691, 0.3328, 0.4122

Tritanomaly

13.0220, 0.2511, 0.3597

Monochromacy



Original Color

13.1720, 0.2744, 0.4637

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.0396, 0.2918, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1720, 0.2744, 0.4637 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, 116, 67)` looks like.

```
.text, #text, p{  
    color:rgb(30, 116, 67)  
}
```

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, 116, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 116, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.1720, 0.2744, 0.4637 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, 116, 67) }
```

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

```
.border{ border-color:rgb(30, 116, 67) }
```

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

Here you see how a box with a 4 pixel rgb(30, 116, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 116, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 116, 67);  
box-shadow:4px 4px 4px 4px rgb(30, 116,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1720, 0.2744, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 116, 67) }
```

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

```
.background{ background-color: rgb(30, 116,  
67) }
```

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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