

Converting Colors

$Y_{xy}(13.3450, 0.2665, 0.4012)$

Have a look what the booklet for
Yxy(13.3450, 0.2665, 0.4012)
contains.

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Color

Yxy(13.3036, 0.2663, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	2E7257
RGB	46, 114, 87
RGB Percent	18%, 45%, 34%
CMY	0.8197, 0.5529, 0.6588
CMYK	0.60, 0.00, 0.24, 0.55
HSL	156°, 43%, 31%
HSV	156°, 60%, 45%
XYZ	8.8635, 13.3036, 11.1168
YIQ	90.5900, -31.8610, -22.8130

Conversions

Conversions Part 2

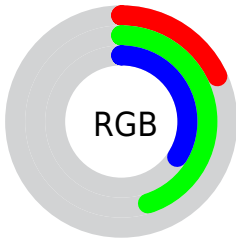
Format	Color
R_{YB}	46, 88, 114
Decimal	3043927
CIE Lab	43.22, -28.51, 8.62
CIE LCh	43, 29.783, 163.173
Yxy	13.3036, 0.2663, 0.3997
Android (android.graphics.Color)	4281234007 (0xFF2E7257)
YUV	90.5900, -1.7699, -39.1054
Hunter-Lab	36.4741, -20.4526, 7.4610

Details

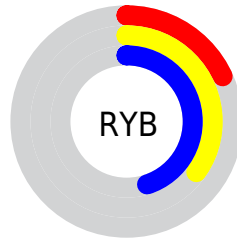
The Yxy color **13.3036, 0.2663, 0.3997** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.0111, 0.4124, 0.2719**, and the grayscale version is **10.3726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7312, 0.2787, 0.3796**, and **3.9478, 0.2540, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **13.0021, 0.2624, 0.4142**, and if you desaturate by 10%, it is **13.6812, 0.2717, 0.3857**.

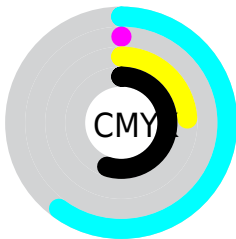
Distribution



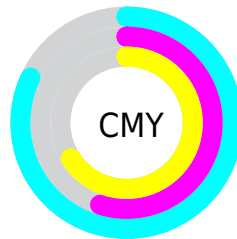
- Red (18%)
- Green (45%)
- Blue (34%)



- Red (18%)
- Yellow (35%)
- Blue (45%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (55%)




- Cyan (82%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3036, 0.2663, 0.3997 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 13.3036, 0.2663, 0.3997 by changing the saturation by 10% instead.


 13.3036, 0.2663,
0.3997

 13.3036, 0.2663,
0.3997

212.8543, 0.2950,
0.3555


 7.6379, 0.2562,
0.4156


 31.8481, 0.2785,
0.3806


 3.8642, 0.2407,
0.4407

 45.4958, 0.2825,
0.3745

 1.5979, 0.2116,
0.4867

 62.5730, 0.2857,
0.3697

 0.3562, 0.0000,
1.0000

 83.4639, 0.2882,
0.3658

 0.0000, 0.0000,
0.0000

 108.5532, 0.2904,
0.3625

 138.2251, 0.2921,

0.3598

172.8640, 0.2937,
0.3575

■ 13.3036, 0.2663,
0.3997

■ 13.3036, 0.2663,
0.3997

■ 13.0021, 0.2624,
0.4142

■ 13.6812, 0.2717,
0.3857

■ 12.7692, 0.2603,
0.4289

■ 14.1383, 0.2785,
0.3725

■ 12.5989, 0.2600,
0.4436

■ 14.6804, 0.2862,
0.3601

■ 12.4664, 0.2607,
0.4582

■ 15.3116, 0.2947,
0.3486

■ 12.4621, 0.2608,
0.4587

■ 16.0359, 0.3037,
0.3382

■ 16.8573, 0.3130,
0.3287

■ 17.7791, 0.3224,
0.3202

■ 18.8049, 0.3318,
0.3127

■ 19.9377, 0.3409,
0.3060

Harmonies

Analogous

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



13.3036, 0.3260, 0.4402



13.3036, 0.2663, 0.3997



13.3036, 0.2219, 0.3353

Triad

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



13.3036, 0.2663, 0.3997



13.3036, 0.2373, 0.2308



13.3036, 0.4380, 0.3607

Complementary

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



13.3036, 0.2663, 0.3997



6.0111, 0.4124, 0.2719

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.



13.3036, 0.4104, 0.3127



13.3036, 0.2663, 0.3997



13.3036, 0.2892, 0.2416

Square

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



13.3036, 0.2663, 0.3997



13.3036, 0.2073, 0.2417



13.3036, 0.3535, 0.2707



13.3036, 0.4272, 0.4069

Rectangle

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



13.3036, 0.2663, 0.3997



13.3036, 0.2056, 0.2945



13.3036, 0.3535, 0.2707



13.3036, 0.4330, 0.3444

Sweetspot

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



13.3041, 0.2663, 0.3997



27.0492, 0.2958, 0.3473



13.6567, 0.3352, 0.4937



6.1921, 0.2938, 0.3498



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.3041, 0.2663, 0.3997



22.6612, 0.2613, 0.4203



12.3530, 0.2384, 0.3119



3.7938, 0.3044, 0.3375



13.8683, 0.2610, 0.4595



68.9105, 0.2631, 0.4673

Inverse Universe

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



6.0111, 0.4124, 0.2719



8.5363, 0.4513, 0.2640



6.3013, 0.4742, 0.3436



3.4214, 0.3219, 0.3207



4.1923, 0.5299, 0.2693



20.7235, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 13.3036, 0.2663, 0.3997 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 13.3036, 0.2663, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

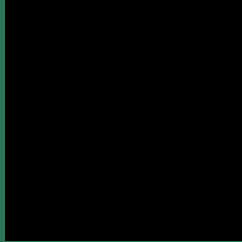
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.3036, 0.2663, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 13.3036, 0.2663, 0.3997.



This preview shows how white text looks on a background with the Yxy color 13.3036, 0.2663, 0.3997.

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

13.3036, 0.2663, 0.3997

Protanopia

13.0896, 0.3513, 0.3732

Deuteranopia

13.1355, 0.3489, 0.3439



Tritanopia

13.3536, 0.2440, 0.3076

Trichromacy



Original Color

13.3036, 0.2663, 0.3997

Protanomaly

12.8639, 0.3128, 0.3847

Deuteranomaly

12.8125, 0.3112, 0.3620

Tritanomaly

13.1873, 0.2519, 0.3387

Monochromacy



Original Color

13.3036, 0.2663, 0.3997

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1577, 0.2904, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3036, 0.2663, 0.3997 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(46, 114, 87)` looks like.

```
.text, #text, p{  
  color:rgb(46, 114, 87)  
}
```

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(46, 114, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 114, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.3036, 0.2663, 0.3997 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(46, 114, 87) }
```

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

```
.border{ border-color:rgb(46, 114, 87) }
```

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

Here you see how a box with a 4 pixel rgb(46, 114, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 114, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 114, 87);  
box-shadow:4px 4px 4px 4px rgb(46, 114,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3036, 0.2663, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 114, 87) }
```

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

```
.background{ background-color: rgb(46, 114,  
87) }
```

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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