

Converting Colors

$Y_{xy}(13.2396, 0.2566, 0.3721)$

Have a look what the booklet for
Yxy(13.2396, 0.2566, 0.3721)
contains.

Yxy(13.2127, 0.2567, 0.3727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(13.2127, 0.2567, 0.3727)$

Conversions

Conversions Part 1

Format	Color
Hex	2D7160
RGB	45, 113, 96
RGB Percent	18%, 44%, 38%
CMY	0.8233, 0.5569, 0.6235
CMYK	0.60, 0.00, 0.15, 0.56
HSL	165°, 43%, 31%
HSV	165°, 60%, 44%
XYZ	9.1003, 13.2127, 13.1383
YIQ	90.7300, -35.0710, -19.7030

Conversions

Conversions Part 2

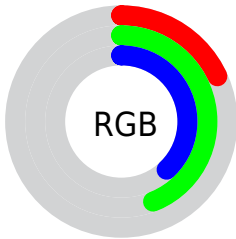
Format	Color
RYB	45, 84, 113
Decimal	2978144
CIELab	43.08, -25.92, 3.04
CIELCh	43, 26.100, 173.321
Yxy	13.2127, 0.2567, 0.3727
Android (android.graphics.Color)	4281168224 (0xFF2D7160)
YUV	90.7300, 2.5981, -40.1052
Hunter-Lab	36.3493, -18.9223, 4.0144

Details

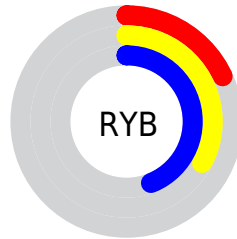
The Yxy color **13.2127, 0.2567, 0.3727** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.7392, 0.4404, 0.2932**, and the grayscale version is **10.4004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5823, 0.2712, 0.3617**, and **3.8971, 0.2421, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **12.9389, 0.2517, 0.3814**, and if you desaturate by 10%, it is **13.5580, 0.2633, 0.3643**.

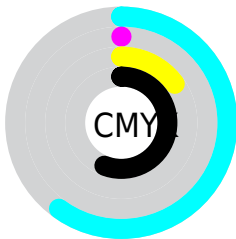
Distribution



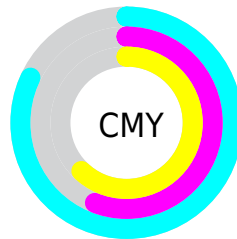
- Red (18%)
- Green (44%)
- Blue (38%)



- Red (18%)
- Yellow (33%)
- Blue (44%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)





- Cyan (82%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2127, 0.2567, 0.3727 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 13.2127, 0.2567, 0.3727 by changing the saturation by 10% instead.


 13.2127, 0.2567,
0.3727

 13.2127, 0.2567,
0.3727


212.2764, 0.2906,
0.3459


 7.5752, 0.2453,
0.3820


 31.6854, 0.2709,
0.3613

 3.8243, 0.2281,
0.3962

 45.2893, 0.2756,
0.3576


 1.5758, 0.1987,
0.4211

 62.3175, 0.2794,
0.3547

 0.3412, 0.0000,
0.6817

 83.1544, 0.2824,
0.3523

 0.0000, 0.0000,
0.0000

 108.1843, 0.2850,
0.3503

 137.7917, 0.2871,

0.3486

172.3609, 0.2890,
0.3472

■ 13.2127, 0.2567,
0.3727

■ 13.2127, 0.2567,
0.3727

■ 12.9389, 0.2517,
0.3814

■ 13.5580, 0.2633,
0.3643

■ 12.7296, 0.2485,
0.3903

■ 13.9784, 0.2713,
0.3562

■ 12.5786, 0.2471,
0.3991

■ 14.4789, 0.2805,
0.3486

■ 12.4614, 0.2467,
0.4080

■ 15.0637, 0.2906,
0.3415

■ 15.7367, 0.3013,
0.3350

■ 16.5015, 0.3126,
0.3291

■ 17.3615, 0.3240,
0.3237

■ 18.3201, 0.3355,
0.3189

■ 19.3804, 0.3469,
0.3146

Harmonies

Analogous

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



13.2127, 0.3066, 0.4173



13.2127, 0.2567, 0.3727



13.2127, 0.2235, 0.3163

Triad

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



13.2127, 0.2567, 0.3727



13.2127, 0.2597, 0.2425



13.2127, 0.4235, 0.3729

Complementary

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



13.2127, 0.2567, 0.3727



5.7392, 0.4404, 0.2932

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.



13.2127, 0.4102, 0.3295



13.2127, 0.2567, 0.3727



13.2127, 0.3110, 0.2581

Square

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



13.2127, 0.2567, 0.3727



13.2127, 0.2255, 0.2459



13.2127, 0.3674, 0.2890



13.2127, 0.4043, 0.4105

Rectangle

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



13.2127, 0.2567, 0.3727



13.2127, 0.2138, 0.2838



13.2127, 0.3674, 0.2890



13.2127, 0.4229, 0.3586

Sweetspot

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



13.2132, 0.2567, 0.3727



27.1638, 0.2923, 0.3404



13.0617, 0.3238, 0.5011



6.2216, 0.2899, 0.3420



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.



13.2132, 0.2567, 0.3727



23.0155, 0.2503, 0.3848



10.3269, 0.2330, 0.2880



3.8016, 0.3026, 0.3343



14.1330, 0.2468, 0.4085



70.2597, 0.2482, 0.4134

Inverse Universe

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



5.7392, 0.4404, 0.2932



8.3189, 0.4893, 0.2898



7.0275, 0.4625, 0.3632



3.4139, 0.3239, 0.3238



4.0759, 0.5840, 0.2991



20.1840, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 13.2127, 0.2567, 0.3727 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 13.2127, 0.2567, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

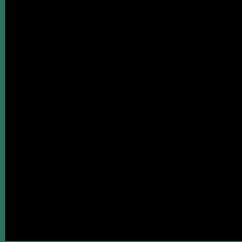
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2127, 0.2567, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 13.2127, 0.2567, 0.3727.

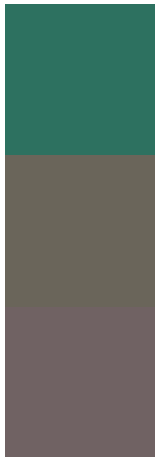


This preview shows how white text looks on a background with the Yxy color 13.2127, 0.2567, 0.3727.

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

13.2127, 0.2567, 0.3727

Protanopia

13.1097, 0.3354, 0.3534

Deuteranopia

13.0810, 0.3325, 0.3269



Tritanopia

13.2680, 0.2416, 0.3074

Trichromacy



Original Color

13.2127, 0.2567, 0.3727

Protanomaly

12.7607, 0.3003, 0.3602

Deuteranomaly

12.6570, 0.2982, 0.3407

Tritanomaly

13.2204, 0.2467, 0.3288

Monochromacy



Original Color

13.2127, 0.2567, 0.3727

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1698, 0.2854, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2127, 0.2567, 0.3727 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(45, 113, 96)` looks like.

```
.text, #text, p{  
    color:rgb(45, 113, 96)  
}
```

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(45, 113, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 113, 96) }
```

Border

The CSS property to change the border of an element to Yxy 13.2127, 0.2567, 0.3727 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(45, 113, 96) }
```

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

```
.border{ border-color:rgb(45, 113, 96) }
```

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

Here you see how a box with a 4 pixel rgb(45, 113, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 113, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 113, 96);  
box-shadow:4px 4px 4px 4px rgb(45, 113,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2127, 0.2567, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 113, 96) }
```

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

```
.background{ background-color: rgb(45, 113,  
96) }
```

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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