

Converting Colors

$Y_{xy}(13.0782, 0.2570, 0.4373)$

Have a look what the booklet for
Yxy(13.0782, 0.2570, 0.4373)
contains.

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Color

Yxy(13.0782, 0.2570, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	08744D
RGB	8, 116, 77
RGB Percent	3%, 45%, 30%
CMY	0.9683, 0.5451, 0.6980
CMYK	0.93, 0.00, 0.34, 0.55
HSL	158°, 87%, 24%
HSV	158°, 93%, 45%
XYZ	7.6860, 13.0782, 9.1425
YIQ	79.2620, -51.8490, -35.0250

Conversions

Conversions Part 2

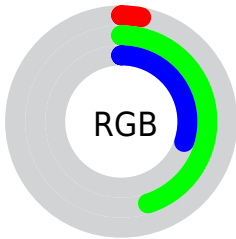
Format	Color
RYB	8, 74, 116
Decimal	554061
CIELab	42.88, -37.58, 13.94
CIELCh	43, 40.081, 159.647
Yxy	13.0782, 0.2570, 0.4373
Android (android.graphics.Color)	4278744141 (0xFF08744D)
YUV	79.2620, -1.1152, -62.4968
Hunter-Lab	36.1638, -25.3494, 10.3257

Details

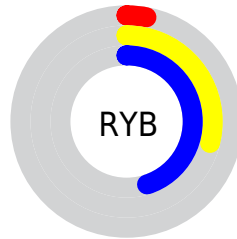
The Yxy color **13.0782, 0.2570, 0.4373** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0940, 0.5212, 0.2734**, and the grayscale version is **7.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4601, 0.2723, 0.4076**, and **4.0007, 0.2683, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **12.9863, 0.2574, 0.4466**, and if you desaturate by 10%, it is **13.2331, 0.2570, 0.4240**.

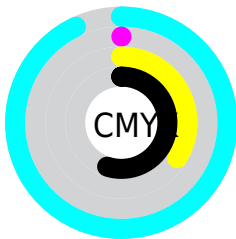
Distribution



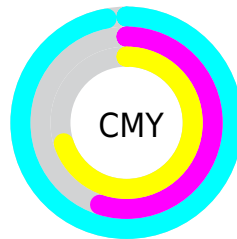
- Red (3%)
- Green (45%)
- Blue (30%)



- Red (3%)
- Yellow (29%)
- Blue (45%)



- Cyan (93%)
- Magenta (0%)
- Yellow (34%)
- Black (55%)





- Cyan (97%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0782, 0.2570, 0.4373 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 13.0782, 0.2570, 0.4373 by changing the saturation by 10% instead.


 13.0782, 0.2570,
0.4373


 13.0782, 0.2570,
0.4373

211.4182, 0.2922,
0.3685


 7.4824, 0.2441,
0.4629


 31.4442, 0.2723,
0.4072


 3.7656, 0.2236,
0.5038

 44.9832, 0.2772,
0.3976

 1.5433, 0.1711,
0.6030

 61.9388, 0.2811,
0.3901

 0.3189, 0.0000,
1.0000


 82.6952, 0.2842,
0.3841


 0.0000, 0.0000,
0.0000


 107.6370, 0.2867,
0.3791


 137.1485, 0.2889,


0.3750


 171.6141, 0.2907,
0.3715


 13.0782, 0.2570,
0.4373

 13.0782, 0.2570,
0.4373


 12.9863, 0.2574,
0.4466

 13.2331, 0.2570,
0.4240

 13.4483, 0.2588,
0.4107

 13.7326, 0.2623,
0.3975

 14.0922, 0.2676,
0.3847

 14.5326, 0.2742,
0.3724

■ 15.0590, 0.2820,
0.3609

■ 15.6758, 0.2907,
0.3502

■ 16.3875, 0.3000,
0.3404

■ 17.1980, 0.3097,
0.3315

Harmonies

Analogous

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



13.0782, 0.3358, 0.4859



13.0782, 0.2570, 0.4373



13.0782, 0.1978, 0.3458

Triad

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



13.0782, 0.2570, 0.4373



13.0782, 0.2078, 0.2021



13.0782, 0.4795, 0.3575

Complementary

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



13.0782, 0.2570, 0.4373



4.0940, 0.5212, 0.2734

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.



13.0782, 0.4374, 0.2982



13.0782, 0.2570, 0.4373



13.0782, 0.2708, 0.2136

Square

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



13.0782, 0.2570, 0.4373



13.0782, 0.1743, 0.2172



13.0782, 0.3560, 0.2475



13.0782, 0.4673, 0.4188

Rectangle

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



13.0782, 0.2570, 0.4373



13.0782, 0.1759, 0.2882



13.0782, 0.3560, 0.2475



13.0782, 0.4714, 0.3372

Sweetspot

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



13.0787, 0.2570, 0.4373



26.9209, 0.2857, 0.3562



13.1281, 0.3259, 0.5710



6.3352, 0.2827, 0.3600



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.



13.0787, 0.2570, 0.4373



22.8030, 0.2583, 0.4498



10.7392, 0.2160, 0.2912



4.1339, 0.3039, 0.3368



14.5702, 0.2576, 0.4473



70.8341, 0.2595, 0.4543

Inverse Universe

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



4.0940, 0.5212, 0.2734



6.7964, 0.5494, 0.2800



4.3224, 0.6018, 0.3449



3.7207, 0.3225, 0.3214



4.3503, 0.5445, 0.2773



21.0484, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 13.0782, 0.2570, 0.4373 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 13.0782, 0.2570, 0.4373 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 13.0782, 0.2570, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 13.0782, 0.2570, 0.4373.



This preview shows how white text looks on a background with the Yxy color 13.0782, 0.2570, 0.4373.

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

13.0782, 0.2570, 0.4373

Protanopia

13.0008, 0.3686, 0.3972

Deuteranopia

12.9254, 0.3678, 0.3630



Tritanopia

13.1964, 0.2324, 0.3071

Trichromacy



Original Color

13.0782, 0.2570, 0.4373



Protanomaly

12.1668, 0.3074, 0.4142



Deuteranomaly

12.0576, 0.3058, 0.3898



Tritanomaly

13.0709, 0.2400, 0.3520

Monochromacy



Original Color

13.0782, 0.2570, 0.4373



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.9612, 0.2754, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0782, 0.2570, 0.4373 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(8, 116, 77)` looks like.

```
.text, #text, p{  
    color:rgb(8, 116, 77)  
}
```

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(8, 116, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 116, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.0782, 0.2570, 0.4373 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(8, 116, 77) }
```

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

```
.border{ border-color:rgb(8, 116, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 116, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 116, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 116, 77);  
box-shadow:4px 4px 4px 4px rgb(8, 116, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0782, 0.2570, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 116, 77) }
```

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

```
.background{ background-color: rgb(8, 116,  
77) }
```

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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