

Converting Colors

$Yxy(14.8045, 0.2778, 0.4083)$

Have a look what the booklet for
Yxy(14.8045, 0.2778, 0.4083)
contains.

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Color

Yxy(14.7813, 0.2781, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	3A7757
RGB	58, 119, 87
RGB Percent	23%, 47%, 34%
CMY	0.7725, 0.5333, 0.6588
CMYK	0.51, 0.00, 0.27, 0.53
HSL	149°, 34%, 35%
HSV	149°, 51%, 47%
XYZ	10.0629, 14.7813, 11.3402
YIQ	97.1130, -26.0840, -22.8840

Conversions

Conversions Part 2

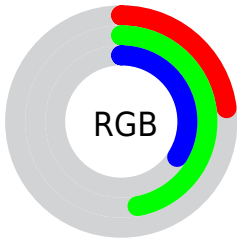
Format	Color
RYB	58, 99, 119
Decimal	3831639
CIELab	45.33, -27.83, 11.65
CIElCh	45, 30.170, 157.289
Yxy	14.7813, 0.2781, 0.4085
Android (android.graphics.Color)	4282021719 (0xFF3A7757)
YUV	97.1130, -4.9857, -34.3021
Hunter-Lab	38.4465, -20.5612, 9.4243

Details

The Yxy color **14.7813, 0.2781, 0.4085** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.6883, 0.3751, 0.2630**, and the grayscale version is **12.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5624, 0.2869, 0.3878**, and **4.5475, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **14.3677, 0.2740, 0.4276**, and if you desaturate by 10%, it is **15.2874, 0.2835, 0.3903**.

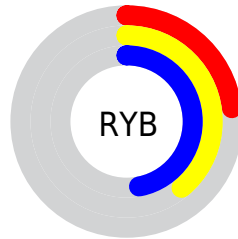
Distribution



Red (23%)

Green (47%)

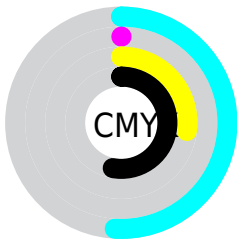
Blue (34%)



Red (23%)

Yellow (39%)

Blue (47%)

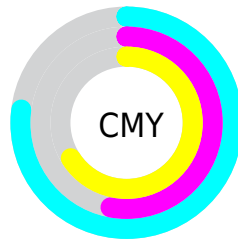


Cyan (51%)

Magenta (0%)

Yellow (27%)

Black (53%)



Cyan (77%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7813, 0.2781, 0.4085 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 14.7813, 0.2781, 0.4085 by changing the saturation by 10% instead.


 14.7813, 0.2781,
0.4085


 14.7813, 0.2781,
0.4085


 222.0386, 0.2996,
0.3593


 8.6660, 0.2705,
0.4259


 34.4691, 0.2873,
0.3874


 4.5240, 0.2586,
0.4528

 48.8103, 0.2903,
0.3806


 1.9708, 0.2377,
0.4997

 66.6624, 0.2927,
0.3752

 0.5904, 0.0000,
1.0000

 88.4097, 0.2946,
0.3708

 0.0000, 0.0000,
0.0000

 114.4366, 0.2962,
0.3672

 145.1274, 0.2975,

0.3641

180.8666, 0.2986,
0.3615

■ 14.7813, 0.2781,
0.4085

■ 14.7813, 0.2781,
0.4085

■ 14.3677, 0.2740,
0.4276

■ 15.2874, 0.2835,
0.3903

■ 14.0388, 0.2714,
0.4473

■ 15.8896, 0.2898,
0.3733

■ 13.7885, 0.2705,
0.4670

■ 16.5935, 0.2968,
0.3576

■ 13.6090, 0.2714,
0.4861

■ 17.4038, 0.3042,
0.3433

■ 13.4847, 0.2729,
0.5024

■ 18.3248, 0.3118,
0.3305

■ 19.3606, 0.3194,
0.3191

■ 20.5151, 0.3269,
0.3089

■ 21.7920, 0.3343,
0.2999

■ 23.1948, 0.3414,
0.2921

Harmonies

Analogous

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



14.7813, 0.3378, 0.4406



14.7813, 0.2781, 0.4085



14.7813, 0.2306, 0.3479

Triad

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



14.7813, 0.2781, 0.4085



14.7813, 0.2312, 0.2330



14.7813, 0.4329, 0.3509

Complementary

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



14.7813, 0.2781, 0.4085



7.6883, 0.3751, 0.2630

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.



14.7813, 0.3990, 0.3043



14.7813, 0.2781, 0.4085



14.7813, 0.2784, 0.2396

Square

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



14.7813, 0.2781, 0.4085



14.7813, 0.2063, 0.2485



14.7813, 0.3401, 0.2650



14.7813, 0.4297, 0.3973

Rectangle

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



14.7813, 0.2781, 0.4085



14.7813, 0.2113, 0.3064



14.7813, 0.3401, 0.2650



14.7813, 0.4255, 0.3350

Sweetspot

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



14.7819, 0.2781, 0.4085



30.5418, 0.3011, 0.3490



15.7002, 0.3446, 0.4651



7.1794, 0.2998, 0.3515



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.7819, 0.2781, 0.4085



25.6434, 0.2735, 0.4302



15.3773, 0.2505, 0.3335



4.1245, 0.3058, 0.3403



14.3248, 0.2730, 0.5029



69.6358, 0.2756, 0.5122

Inverse Universe

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



7.6883, 0.3751, 0.2630



11.4605, 0.3963, 0.2507



7.2767, 0.4441, 0.3252



3.7300, 0.3202, 0.3179



4.5395, 0.4785, 0.2410



21.9474, 0.4892, 0.2469

Previews

White Background



This preview shows how the Yxy color 14.7813, 0.2781, 0.4085 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 14.7813, 0.2781, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

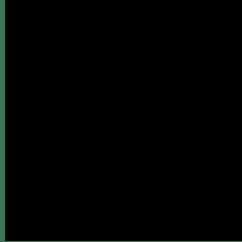
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7813, 0.2781, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 14.7813, 0.2781, 0.4085.



This preview shows how white text looks on a background with the Yxy color 14.7813, 0.2781, 0.4085.

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

14.7813, 0.2781, 0.4085

Protanopia

14.6869, 0.3575, 0.3838

Deuteranopia

14.6668, 0.3591, 0.3533



Tritanopia

14.6936, 0.2515, 0.3086

Trichromacy



Original Color

14.7813, 0.2781, 0.4085

Protanomaly

14.3731, 0.3244, 0.3931

Deuteranomaly

14.3281, 0.3230, 0.3715

Tritanomaly

14.7066, 0.2606, 0.3430

Monochromacy



Original Color

14.7813, 0.2781, 0.4085

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.7325, 0.2978, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7813, 0.2781, 0.4085 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(58, 119, 87)` looks like.

```
.text, #text, p{  
    color:rgb(58, 119, 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(58, 119, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 119, 87) }
```

Border

The CSS property to change the border of an element to Yxy 14.7813, 0.2781, 0.4085 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(58, 119, 87) }
```

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

```
.border{ border-color:rgb(58, 119, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 119, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 119, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 119, 87);  
box-shadow:4px 4px 4px 4px rgb(58, 119,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7813, 0.2781, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 119, 87) }
```

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

```
.background{ background-color: rgb(58, 119,  
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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