

Converting Colors

$Y_{xy}(13.9870, 0.2701, 0.3907)$

Have a look what the booklet for
Yxy(13.9870, 0.2701, 0.3907)
contains.

Yxy(14.0583, 0.2707, 0.3920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(14.0583, 0.2707, 0.3920)$

Conversions

Conversions Part 1

Format	Color
Hex	37745B
RGB	55, 116, 91
RGB Percent	22%, 45%, 36%
CMY	0.7844, 0.5451, 0.6432
CMYK	0.53, 0.00, 0.22, 0.55
HSL	155°, 36%, 34%
HSV	155°, 53%, 45%
XYZ	9.7081, 14.0583, 12.0966
YIQ	94.9110, -28.3310, -20.7070

Conversions

Conversions Part 2

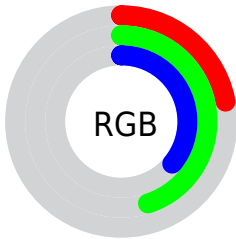
Format	Color
RYB	55, 93, 116
Decimal	3634267
CIELab	44.32, -26.26, 7.85
CIElCh	44, 27.409, 163.362
Yxy	14.0583, 0.2707, 0.3920
Android (android.graphics.Color)	4281824347 (0xFF37745B)
YUV	94.9110, -1.9281, -35.0019
Hunter-Lab	37.4944, -19.3977, 7.1177

Details

The Yxy color **14.0583, 0.2707, 0.3920** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.0234, 0.3935, 0.2759**, and the grayscale version is **11.4302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9925, 0.2813, 0.3749**, and **4.2038, 0.2519, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **13.6895, 0.2658, 0.4067**, and if you desaturate by 10%, it is **14.5104, 0.2770, 0.3780**.

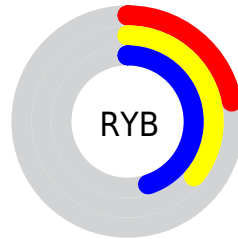
Distribution



Red (22%)

Green (45%)

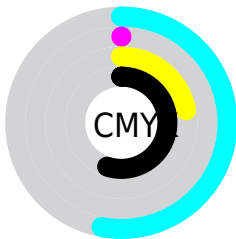
Blue (36%)



Red (22%)

Yellow (36%)

Blue (45%)

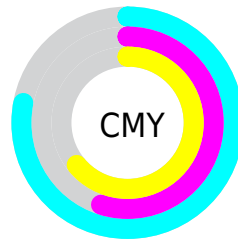


Cyan (53%)

Magenta (0%)

Yellow (22%)

Black (55%)



Cyan (78%)


Magenta (55%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0583, 0.2707, 0.3920 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 14.0583, 0.2707, 0.3920 by changing the saturation by 10% instead.


 14.0583, 0.2707,
0.3920


 14.0583, 0.2707,
0.3920


 217.5932, 0.2964,
0.3531


 8.1612, 0.2618,
0.4057


 33.1924, 0.2816,
0.3754


 4.1983, 0.2483,
0.4271

 47.1983, 0.2851,
0.3699

 1.7851, 0.2252,
0.4644

 64.6759, 0.2880,
0.3657

 0.4779, 0.0000,
1.0000

 86.0095, 0.2903,
0.3622

 0.0000, 0.0000,
0.0000

 111.5837, 0.2922,
0.3593

 141.7828, 0.2938,

0.3569

176.9912, 0.2952,
0.3548

■ 14.0583, 0.2707,
0.3920

■ 14.0583, 0.2707,
0.3920

■ 13.6895, 0.2658,
0.4067

■ 14.5104, 0.2770,
0.3780

■ 13.3968, 0.2625,
0.4218

■ 15.0493, 0.2843,
0.3649

■ 13.1745, 0.2610,
0.4371

■ 15.6801, 0.2925,
0.3527

■ 13.0148, 0.2614,
0.4523

■ 16.4070, 0.3012,
0.3415

■ 12.9148, 0.2621,
0.4635

■ 17.2342, 0.3103,
0.3315

■ 18.1654, 0.3195,
0.3224

■ 19.2042, 0.3287,
0.3143

■ 20.3540, 0.3378,
0.3071

■ 21.6181, 0.3466,
0.3008

Harmonies

Analogous

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



14.0583, 0.3251, 0.4285



14.0583, 0.2707, 0.3920



14.0583, 0.2300, 0.3348

Triad

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



14.0583, 0.2707, 0.3920



14.0583, 0.2443, 0.2392



14.0583, 0.4260, 0.3591

Complementary

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



14.0583, 0.2707, 0.3920



7.0234, 0.3935, 0.2759

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.



14.0583, 0.4012, 0.3149



14.0583, 0.2707, 0.3920



14.0583, 0.2920, 0.2491

Square

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



14.0583, 0.2707, 0.3920



14.0583, 0.2164, 0.2496



14.0583, 0.3501, 0.2760



14.0583, 0.4167, 0.4010

Rectangle

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



14.0583, 0.2707, 0.3920



14.0583, 0.2149, 0.2981



14.0583, 0.3501, 0.2760



14.0583, 0.4214, 0.3442

Sweetspot

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



14.0589, 0.2707, 0.3920



28.3316, 0.2979, 0.3457



14.4910, 0.3355, 0.4730



6.7101, 0.2965, 0.3474



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.



14.0589, 0.2707, 0.3920



23.9486, 0.2650, 0.4097



13.4243, 0.2454, 0.3166



4.1311, 0.3044, 0.3378



14.4883, 0.2623, 0.4643



70.4298, 0.2645, 0.4721

Inverse Universe

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



7.0234, 0.3935, 0.2759



10.1405, 0.4230, 0.2664



7.2280, 0.4477, 0.3402



3.7235, 0.3218, 0.3203



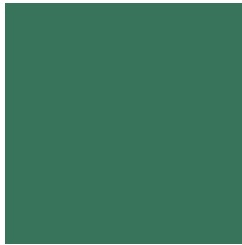
4.3987, 0.5253, 0.2667



21.2738, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 14.0583, 0.2707, 0.3920 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 14.0583, 0.2707, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

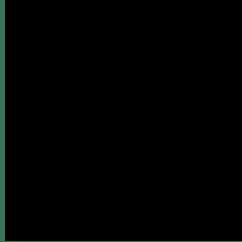
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0583, 0.2707, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 14.0583, 0.2707, 0.3920.



This preview shows how white text looks on a background with the Yxy color 14.0583, 0.2707, 0.3920.

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

14.0583, 0.2707, 0.3920

Protanopia

13.8715, 0.3474, 0.3701

Deuteranopia

13.9671, 0.3480, 0.3436



Tritanopia

14.0588, 0.2490, 0.3082

Trichromacy



Original Color

14.0583, 0.2707, 0.3920

Protanomaly

13.5869, 0.3145, 0.3781

Deuteranomaly

13.5313, 0.3141, 0.3587

Tritanomaly

13.9281, 0.2568, 0.3360

Monochromacy



Original Color

14.0583, 0.2707, 0.3920

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.2141, 0.2925, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0583, 0.2707, 0.3920 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(55, 116, 91)` looks like.

```
.text, #text, p{  
    color:rgb(55, 116, 91)  
}
```

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(55, 116, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 116, 91) }
```

Border

The CSS property to change the border of an element to Yxy 14.0583, 0.2707, 0.3920 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(55, 116, 91) }
```

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

```
.border{ border-color:rgb(55, 116, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 116, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 116, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 116, 91);  
box-shadow:4px 4px 4px 4px rgb(55, 116,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0583, 0.2707, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 116, 91) }
```

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

```
.background{ background-color: rgb(55, 116,  
91) }
```

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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