

Converting Colors

$Y_{xy}(21.2508, 0.3287, 0.3844)$

Have a look what the booklet for
Yxy(21.2508, 0.3287, 0.3844)
contains.

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Color

Yxy(21.4037, 0.3286, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	778467
RGB	119, 132, 103
RGB Percent	47%, 52%, 40%
CMY	0.5334, 0.4823, 0.5961
CMYK	0.10, 0.00, 0.22, 0.48
HSL	87°, 12%, 46%
HSV	87°, 22%, 52%
XYZ	18.3062, 21.4037, 15.9999
YIQ	124.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

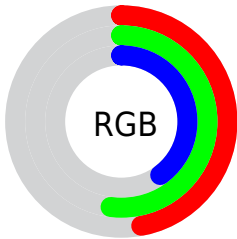
Format	Color
R_{YB}	103, 132, 116
Decimal	7832679
CIE _{Lab}	53.39, -10.34, 14.10
CIE _{LCh}	53, 17.480, 126.255
Yxy	21.4037, 0.3286, 0.3842
Android (android.graphics.Color)	4286022759 (0xFF778467)
YUV	124.8070, -10.7509, -5.0927
Hunter-Lab	46.2641, -10.3316, 11.8802

Details

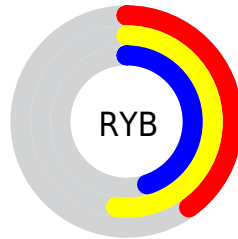
The Yxy color $21.4037, 0.3286, 0.3842$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.0825, 0.2939, 0.2733$, and the grayscale version is $20.4763, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.6889, 0.3251, 0.3716$, and $7.7741, 0.3330, 0.4088$ is the 20% darker color. If you saturate the color by 10%, you get $20.7539, 0.3354, 0.4117$, and if you desaturate by 10%, it is $22.1234, 0.3214, 0.3580$.

Distribution



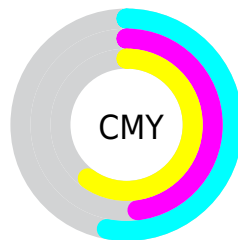
- Red (47%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4037, 0.3286, 0.3842 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 21.4037, 0.3286, 0.3842 by changing the saturation by 10% instead.


 21.4037, 0.3286,
0.3842

 21.4037, 0.3286,
0.3842


259.4162, 0.3200,
0.3524

 13.4194, 0.3309,
0.3940


 45.7584, 0.3253,
0.3714


 7.7180, 0.3340,
0.4079


 62.8977, 0.3242,
0.3670

 3.9150, 0.3380,
0.4294

 83.8574, 0.3232,
0.3634

 1.6261, 0.3469,
0.4711

 109.0219, 0.3223,
0.3604

 0.3751, 0.2174,
0.7826

138.7756, 0.3216,
0.3579

 0.0000, 0.0000,
0.0000

173.5030, 0.3210,

0.3558

213.5884, 0.3205,
0.3540

■ 21.4037, 0.3286,
0.3842

■ 21.4037, 0.3286,
0.3842

■ 20.7539, 0.3354,
0.4117

■ 22.1234, 0.3214,
0.3580

■ 20.1687, 0.3416,
0.4400

■ 22.9124, 0.3141,
0.3336

■ 19.6465, 0.3466,
0.4679

■ 23.7739, 0.3070,
0.3111

■ 19.1845, 0.3501,
0.4945

■ 24.7099, 0.3001,
0.2907

■ 18.7795, 0.3517,
0.5184

■ 25.7224, 0.2935,
0.2722

■ 18.4282, 0.3512,
0.5384

■ 26.8133, 0.2873,
0.2556

■ 18.1265, 0.3486,
0.5536

■ 27.9844, 0.2816,
0.2407

■ 17.9109, 0.3456,
0.5638

■ 29.2375, 0.2762,
0.2274

■ 30.5743, 0.2712,
0.2154

Harmonies

Analogous

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



21.4037, 0.3569, 0.3828



21.4037, 0.3286, 0.3842



21.4037, 0.2970, 0.3685

Triad

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



21.4037, 0.3286, 0.3842



21.4037, 0.2549, 0.2880



21.4037, 0.3559, 0.3161

Complementary

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



21.4037, 0.3286, 0.3842



15.0825, 0.2939, 0.2733

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.



21.4037, 0.3265, 0.2938



21.4037, 0.3286, 0.3842



21.4037, 0.2688, 0.2775

Square

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



21.4037, 0.3286, 0.3842



21.4037, 0.2555, 0.3107



21.4037, 0.2945, 0.2799



21.4037, 0.3735, 0.3423

Rectangle

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



21.4037, 0.3286, 0.3842



21.4037, 0.2783, 0.3507



21.4037, 0.2945, 0.2799



21.4037, 0.3470, 0.3080

Sweetspot

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



21.4046, 0.3286, 0.3842



39.6197, 0.3179, 0.3460



18.2779, 0.3503, 0.3526



9.2094, 0.3182, 0.3472



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.4046, 0.3286, 0.3842



37.1575, 0.3318, 0.3968



20.4831, 0.3122, 0.3871



5.3218, 0.3193, 0.3509



17.3439, 0.3457, 0.5637



0.0644, 0.3781, 0.5380

Inverse Universe

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



15.0825, 0.2939, 0.2733



24.1110, 0.2892, 0.2604



16.1194, 0.3126, 0.2763



4.6393, 0.3056, 0.3070



2.5238, 0.1957, 0.0851



0.0130, 0.2450, 0.1123

Previews

White Background



This preview shows how the Yxy color 21.4037, 0.3286, 0.3842 looks on a white 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

Black Background



This preview shows how the Yxy color 21.4037, 0.3286, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

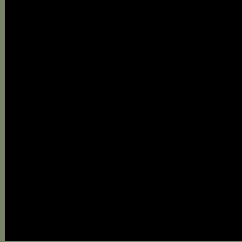
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

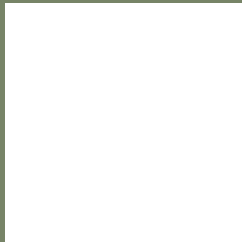
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.4037, 0.3286, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 21.4037, 0.3286, 0.3842.



This preview shows how white text looks on a background with the Yxy color 21.4037, 0.3286, 0.3842.

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

21.4037, 0.3286, 0.3842

Protanopia

21.2692, 0.3523, 0.3760

Deuteranopia

21.1420, 0.3652, 0.3584



Tritanopia

21.2700, 0.2986, 0.3110

Trichromacy



Original Color

21.4037, 0.3286, 0.3842

Protanomaly

21.3270, 0.3428, 0.3788

Deuteranomaly

21.2396, 0.3518, 0.3685

Tritanomaly

21.3188, 0.3089, 0.3364

Monochromacy



Original Color

21.4037, 0.3286, 0.3842

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9337, 0.3189, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4037, 0.3286, 0.3842 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(119, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 103)  
}
```

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(119, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 103) }
```

Border

The CSS property to change the border of an element to Yxy 21.4037, 0.3286, 0.3842 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(119, 132, 103) }
```

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

```
.border{ border-color:rgb(119, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4037, 0.3286, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 103) }
```

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

```
.background{ background-color: rgb(119,  
132, 103) }
```

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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