

Converting Colors

$Y_{xy}(21.3142, 0.2645, 0.3889)$

Have a look what the booklet for
Yxy(21.3142, 0.2645, 0.3889)
contains.

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Color

Yxy(21.2341, 0.2642, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	3D8D71
RGB	61, 141, 113
RGB Percent	24%, 55%, 44%
CMY	0.7605, 0.4471, 0.5568
CMYK	0.57, 0.00, 0.20, 0.45
HSL	159°, 40%, 40%
HSV	159°, 57%, 55%
XYZ	14.4329, 21.2341, 18.9616
YIQ	113.8880, -38.6920, -25.6680

Conversions

Conversions Part 2

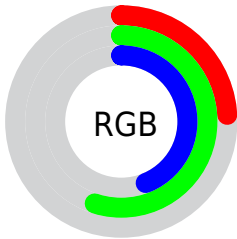
Format	Color
R_{YB}	61, 109, 141
Decimal	4033905
CIE _{Lab}	53.20, -31.54, 7.63
CIE _{LCh}	53, 32.454, 166.399
Y _{xy}	21.2341, 0.2642, 0.3887
Android (android.graphics.Color)	4282223985 (0xFF3D8D71)
YUV	113.8880, -0.4378, -46.3828
Hunter-Lab	46.0805, -24.7329, 7.8592

Details

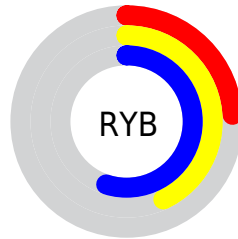
The Yxy color **21.2341, 0.2642, 0.3887** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7287, 0.4159, 0.2798**, and the grayscale version is **16.8070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3917, 0.2750, 0.3740**, and **7.6940, 0.2486, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **20.7361, 0.2596, 0.4015**, and if you desaturate by 10%, it is **21.8575, 0.2704, 0.3764**.

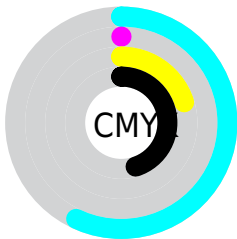
Distribution



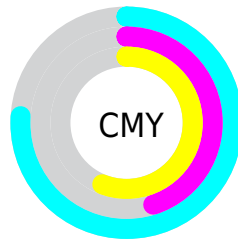
- Red (24%)
- Green (55%)
- Blue (44%)



- Red (24%)
- Yellow (43%)
- Blue (55%)



- Cyan (57%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)




- Cyan (76%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2341, 0.2642, 0.3887 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 21.2341, 0.2642, 0.3887 by changing the saturation by 10% instead.


 21.2341, 0.2642,
0.3887

 21.2341, 0.2642,
0.3887

258.5200, 0.2921,
0.3539


 13.2952, 0.2557,
0.3996


 45.4768, 0.2754,
0.3746

 7.6322, 0.2436,
0.4155


 62.5495, 0.2792,
0.3697


 3.8605, 0.2251,
0.4402

 83.4355, 0.2824,
0.3658

 1.5958, 0.1890,
0.4871

 108.5192, 0.2850,
0.3626

 0.3548, 0.0000,
1.0000

 138.1852, 0.2872,
0.3599

 0.0000, 0.0000,
0.0000

172.8177, 0.2890,

0.3576

212.8012, 0.2907,
0.3556

■ 21.2341, 0.2642,
0.3887

■ 21.2341, 0.2642,
0.3887

■ 20.7361, 0.2596,
0.4015

■ 21.8575, 0.2704,
0.3764

■ 20.3515, 0.2567,
0.4146

■ 22.6124, 0.2780,
0.3647

■ 20.0701, 0.2558,
0.4278

■ 23.5072, 0.2866,
0.3538

■ 19.8734, 0.2566,
0.4408

■ 24.5491, 0.2960,
0.3438

■ 19.8146, 0.2570,
0.4451

■ 25.7447, 0.3059,
0.3346

■ 27.1003, 0.3161,
0.3264

■ 28.6217, 0.3264,
0.3190

■ 30.3145, 0.3366,
0.3124

■ 32.1841, 0.3466,
0.3067

Harmonies

Analogous

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



21.2341, 0.3193, 0.4298



21.2341, 0.2642, 0.3887



21.2341, 0.2245, 0.3287

Triad

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



21.2341, 0.2642, 0.3887



21.2341, 0.2464, 0.2368



21.2341, 0.4302, 0.3643

Complementary

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



21.2341, 0.2642, 0.3887



9.7287, 0.4159, 0.2798

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.



21.2341, 0.4081, 0.3188



21.2341, 0.2642, 0.3887



21.2341, 0.2971, 0.2489

Square

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



21.2341, 0.2642, 0.3887



21.2341, 0.2155, 0.2451



21.2341, 0.3573, 0.2781



21.2341, 0.4170, 0.4067

Rectangle

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



21.2341, 0.2642, 0.3887



21.2341, 0.2106, 0.2917



21.2341, 0.3573, 0.2781



21.2341, 0.4268, 0.3491

Sweetspot

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



21.2349, 0.2642, 0.3887



43.8323, 0.2954, 0.3444



21.5784, 0.3322, 0.4902



9.7152, 0.2937, 0.3461



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.2349, 0.2642, 0.3887



36.9272, 0.2586, 0.4051



18.9724, 0.2388, 0.3069



6.0847, 0.3034, 0.3368



18.0715, 0.2569, 0.4446



0.1770, 0.2406, 0.3861

Inverse Universe

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



9.7287, 0.4159, 0.2798



14.2122, 0.4543, 0.2731



10.5986, 0.4639, 0.3481



5.4533, 0.3230, 0.3213



5.3712, 0.5512, 0.2810



0.0552, 0.4463, 0.2232

Previews

White Background



This preview shows how the Yxy color 21.2341, 0.2642, 0.3887 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 21.2341, 0.2642, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

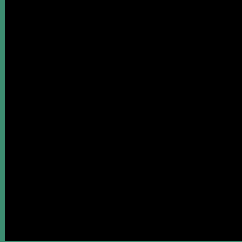
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2341, 0.2642, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 21.2341, 0.2642, 0.3887.



This preview shows how white text looks on a background with the Yxy color 21.2341, 0.2642, 0.3887.

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

21.2341, 0.2642, 0.3887

Protanopia

20.9282, 0.3455, 0.3673

Deuteranopia

20.9542, 0.3438, 0.3378



Tritanopia

21.0926, 0.2440, 0.3073

Trichromacy



Original Color

21.2341, 0.2642, 0.3887

Protanomaly

20.4411, 0.3094, 0.3746

Deuteranomaly

20.4722, 0.3081, 0.3541

Tritanomaly

21.1552, 0.2508, 0.3349

Monochromacy



Original Color

21.2341, 0.2642, 0.3887

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.0631, 0.2898, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2341, 0.2642, 0.3887 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(61, 141, 113)` looks like.

```
.text, #text, p{  
    color:rgb(61, 141, 113)  
}
```

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(61, 141, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 141, 113) }
```

Border

The CSS property to change the border of an element to Yxy 21.2341, 0.2642, 0.3887 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(61, 141, 113) }
```

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

```
.border{ border-color:rgb(61, 141, 113) }
```

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

Here you see how a box with a 4 pixel rgb(61, 141, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 141, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 141, 113);  
box-shadow:4px 4px 4px 4px rgb(61, 141,  
113) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.2341, 0.2642, 0.3887$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 141, 113) }
```

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

```
.background{ background-color: rgb(61, 141,  
113) }
```

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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