

Converting Colors

$Yxy(21.5823, 0.2789, 0.4349)$

Have a look what the booklet for
Yxy(21.5823, 0.2789, 0.4349)
contains.

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Color

Yxy(21.4632, 0.2789, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	3D8F5F
RGB	61, 143, 95
RGB Percent	24%, 56%, 37%
CMY	0.7611, 0.4392, 0.6275
CMYK	0.57, 0.00, 0.34, 0.44
HSL	145°, 40%, 40%
HSV	145°, 57%, 56%
XYZ	13.8087, 21.4632, 14.2395
YIQ	113.0100, -33.4640, -32.3120

Conversions

Conversions Part 2

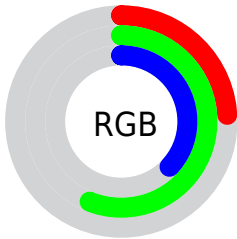
Format	Color
RYB	61, 119, 143
Decimal	4034399
CIELab	53.45, -36.52, 18.23
CIElCh	53, 40.812, 153.471
Yxy	21.4632, 0.2789, 0.4335
Android (android.graphics.Color)	4282224479 (0xFF3D8F5F)
YUV	113.0100, -8.8789, -45.6128
Hunter-Lab	46.3284, -27.8706, 14.2065

Details

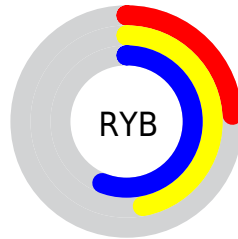
The Yxy color **21.4632, 0.2789, 0.4335** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.2732, 0.3784, 0.2468**, and the grayscale version is **16.5456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6527, 0.2872, 0.4069**, and **7.8677, 0.2673, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **20.9257, 0.2762, 0.4557**, and if you desaturate by 10%, it is **22.1398, 0.2830, 0.4119**.

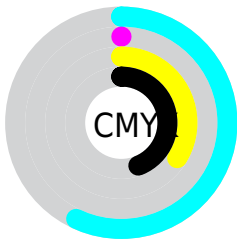
Distribution



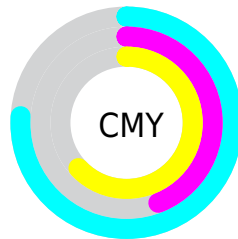
- Red (24%)
- Green (56%)
- Blue (37%)



- Red (24%)
- Yellow (47%)
- Blue (56%)



- Cyan (57%)
- Magenta (0%)
- Yellow (34%)
- Black (44%)





- Cyan (76%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4632, 0.2789, 0.4335 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 21.4632, 0.2789, 0.4335 by changing the saturation by 10% instead.


 21.4632, 0.2789,
0.4335


 21.4632, 0.2789,
0.4335


259.7300, 0.2996,
0.3713


 13.4630, 0.2719,
0.4536


 45.8572, 0.2876,
0.4079


 7.7481, 0.2613,
0.4831


 63.0197, 0.2905,
0.3992


 3.9342, 0.2439,
0.5298

 84.0052, 0.2928,
0.3923

 1.6368, 0.2090,
0.6526

 109.1980, 0.2947,
0.3866

 0.3822, 0.0000,
1.0000

 138.9824, 0.2962,
0.3818

 0.0000, 0.0000,
0.0000

173.7430, 0.2975,

0.3778

213.8641, 0.2986,
0.3743

■ 21.4632, 0.2789,
0.4335

■ 21.4632, 0.2789,
0.4335

■ 20.9257, 0.2762,
0.4557

■ 22.1398, 0.2830,
0.4119

■ 20.5143, 0.2752,
0.4779

■ 22.9620, 0.2882,
0.3915

■ 20.2179, 0.2761,
0.4994

■ 23.9394, 0.2942,
0.3725

■ 20.0149, 0.2784,
0.5195

■ 25.0795, 0.3008,
0.3551

■ 19.9676, 0.2790,
0.5245

■ 26.3897, 0.3076,
0.3395

■ 27.8768, 0.3145,
0.3255

■ 29.5471, 0.3214,
0.3132

■ 31.4068, 0.3281,
0.3022

■ 33.4617, 0.3346,
0.2927

Harmonies

Analogous

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



21.4632, 0.3495, 0.4649



21.4632, 0.2789, 0.4335



21.4632, 0.2212, 0.3609

Triad

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



21.4632, 0.2789, 0.4335



21.4632, 0.2120, 0.2176



21.4632, 0.4534, 0.3453

Complementary

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



21.4632, 0.2789, 0.4335



10.2732, 0.3784, 0.2468

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.



21.4632, 0.4079, 0.2927



21.4632, 0.2789, 0.4335



21.4632, 0.2632, 0.2228

Square

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



21.4632, 0.2789, 0.4335



21.4632, 0.1871, 0.2377



21.4632, 0.3349, 0.2495



21.4632, 0.4539, 0.3999

Rectangle

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



21.4632, 0.2789, 0.4335



21.4632, 0.1970, 0.3094



21.4632, 0.3349, 0.2495



21.4632, 0.4428, 0.3272

Sweetspot

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



21.4641, 0.2789, 0.4335



44.9144, 0.3008, 0.3551



23.3107, 0.3534, 0.4813



10.2124, 0.2996, 0.3580



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.4641, 0.2789, 0.4335



37.2198, 0.2758, 0.4626



22.3817, 0.2485, 0.3454



6.0642, 0.3064, 0.3421



17.6562, 0.2788, 0.5236



0.1730, 0.2557, 0.4406

Inverse Universe

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



10.2732, 0.3784, 0.2468



15.1436, 0.4011, 0.2336



9.6016, 0.4623, 0.3154



5.4737, 0.3196, 0.3162



5.7287, 0.4559, 0.2285



0.0592, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 21.4632, 0.2789, 0.4335 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 21.4632, 0.2789, 0.4335 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 21.4632, 0.2789, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 21.4632, 0.2789, 0.4335.



This preview shows how white text looks on a background with the Yxy color 21.4632, 0.2789, 0.4335.

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

21.4632, 0.2789, 0.4335

Protanopia

21.2017, 0.3700, 0.3988

Deuteranopia

21.1351, 0.3727, 0.3669



Tritanopia

21.2829, 0.2460, 0.3056

Trichromacy



Original Color

21.4632, 0.2789, 0.4335

Protanomaly

20.7816, 0.3290, 0.4123

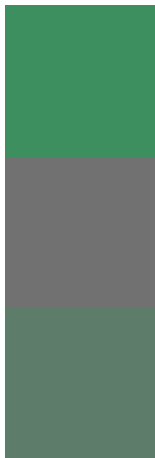
Deuteranomaly

20.5601, 0.3309, 0.3912

Tritanomaly

21.3898, 0.2579, 0.3492

Monochromacy



Original Color

21.4632, 0.2789, 0.4335

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8356, 0.2969, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4632, 0.2789, 0.4335 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, 143, 95)` looks like.

```
.text, #text, p{  
    color:rgb(61, 143, 95)  
}
```

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, 143, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 143, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.4632, 0.2789, 0.4335 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, 143, 95) }
```

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

```
.border{ border-color:rgb(61, 143, 95) }
```

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

Here you see how a box with a 4 pixel rgb(61, 143, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 143, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 143, 95);  
box-shadow:4px 4px 4px 4px rgb(61, 143,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4632, 0.2789, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 143, 95) }
```

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

```
.background{ background-color: rgb(61, 143,  
95) }
```

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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