

Converting Colors

$Yxy(21.4010, 0.2531, 0.3981)$

Have a look what the booklet for
Yxy(21.4010, 0.2531, 0.3981)
contains.

Yxy(21.5097, 0.2533, 0.3988)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5097, 0.2533, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	259070
RGB	37, 144, 112
RGB Percent	15%, 56%, 44%
CMY	0.8548, 0.4353, 0.5607
CMYK	0.74, 0.00, 0.22, 0.44
HSL	162°, 59%, 35%
HSV	162°, 74%, 56%
XYZ	13.6620, 21.5097, 18.7644
YIQ	108.3590, -53.5000, -32.6360

Conversions

Conversions Part 2

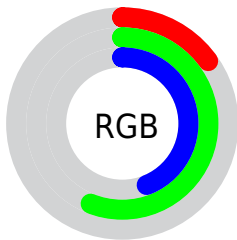
Format	Color
R_{YB}	37, 100, 144
Decimal	2461808
CIE _{Lab}	53.50, -37.67, 8.53
CIE _{LCh}	54, 38.620, 167.233
Yxy	21.5097, 0.2533, 0.3988
Android (android.graphics.Color)	4280651888 (0xFF259070)
YUV	108.3590, 1.7950, -62.5818
Hunter-Lab	46.3786, -28.5807, 8.4768

Details

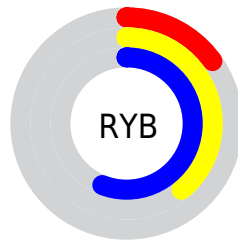
The Yxy color **21.5097, 0.2533, 0.3988** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.6841, 0.4842, 0.2810**, and the grayscale version is **15.1113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1239, 0.2666, 0.3824**, and **8.1989, 0.2519, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **21.2008, 0.2515, 0.4099**, and if you desaturate by 10%, it is **21.9299, 0.2570, 0.3878**.

Distribution



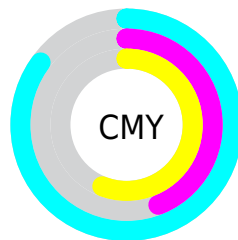
- Red (15%)
- Green (56%)
- Blue (44%)



- Red (15%)
- Yellow (39%)
- Blue (56%)



- Cyan (74%)
- Magenta (0%)
- Yellow (22%)
- Black (44%)




- Cyan (85%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5097, 0.2533, 0.3988 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 21.5097, 0.2533, 0.3988 by changing the saturation by 10% instead.

 21.5097, 0.2533,
0.3988


 21.5097, 0.2533,
0.3988


259.9750, 0.2874,
0.3580


 13.4971, 0.2430,
0.4116


 45.9343, 0.2669,
0.3822


 7.7717, 0.2283,
0.4302


 63.1150, 0.2716,
0.3766


 3.9492, 0.2062,
0.4592

 84.1206, 0.2755,
0.3720

 1.6452, 0.1577,
0.5175

 109.3355, 0.2787,
0.3682

 0.3878, 0.0000,
1.0000

 139.1439, 0.2814,
0.3650

 0.0000, 0.0000,
0.0000

 173.9304, 0.2836,

0.3623

214.0793, 0.2856,
0.3600

■ 21.5097, 0.2533,
0.3988

■ 21.5097, 0.2533,
0.3988

■ 21.2008, 0.2515,
0.4099

■ 21.9299, 0.2570,
0.3878

■ 20.9870, 0.2516,
0.4209

■ 22.4701, 0.2624,
0.3771

■ 20.8850, 0.2520,
0.4272

■ 23.1409, 0.2694,
0.3668

■ 23.9509, 0.2778,
0.3571

■ 24.9081, 0.2872,
0.3480

■ 26.0198, 0.2974,
0.3396

■ 27.2928, 0.3080,
0.3320

■ 28.7337, 0.3190,
0.3252

■ 30.3484, 0.3301,
0.3190

Harmonies

Analogous

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



21.5097, 0.3171, 0.4496



21.5097, 0.2533, 0.3988



21.5097, 0.2086, 0.3255

Triad

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



21.5097, 0.2533, 0.3988



21.5097, 0.2364, 0.2223



21.5097, 0.4516, 0.3694

Complementary

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



21.5097, 0.2533, 0.3988



7.6841, 0.4842, 0.2810

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.



21.5097, 0.4272, 0.3172



21.5097, 0.2533, 0.3988



21.5097, 0.2955, 0.2371

Square

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



21.5097, 0.2533, 0.3988



21.5097, 0.2006, 0.2302



21.5097, 0.3670, 0.2707



21.5097, 0.4335, 0.4193

Rectangle

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



21.5097, 0.2533, 0.3988



21.5097, 0.1937, 0.2821



21.5097, 0.3670, 0.2707



21.5097, 0.4483, 0.3518

Sweetspot

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



21.5105, 0.2533, 0.3988



44.2710, 0.2890, 0.3464



21.3499, 0.3248, 0.5430



10.0515, 0.2866, 0.3485



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.



21.5105, 0.2533, 0.3988



37.1298, 0.2514, 0.4171



16.4758, 0.2205, 0.2831



6.0892, 0.3028, 0.3357



18.1913, 0.2518, 0.4266



0.1778, 0.2379, 0.3762

Inverse Universe

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



7.6841, 0.4842, 0.2810



11.4176, 0.5422, 0.2860



9.1320, 0.5282, 0.3608



5.4490, 0.3238, 0.3224



5.3194, 0.5702, 0.2915



0.0544, 0.4645, 0.2332

Previews

White Background



This preview shows how the Yxy color 21.5097, 0.2533, 0.3988 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 21.5097, 0.2533, 0.3988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

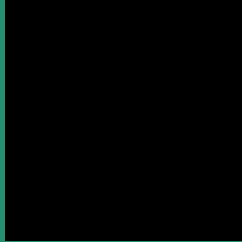
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5097, 0.2533, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 21.5097, 0.2533, 0.3988.



This preview shows how white text looks on a background with the Yxy color 21.5097, 0.2533, 0.3988.

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

21.5097, 0.2533, 0.3988

Protanopia

21.2263, 0.3487, 0.3725

Deuteranopia

21.2899, 0.3448, 0.3395



Tritanopia

21.5080, 0.2338, 0.3072

Trichromacy



Original Color

21.5097, 0.2533, 0.3988

Protanomaly

20.4683, 0.3025, 0.3837

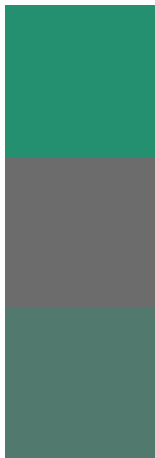
Deuteranomaly

20.4135, 0.2989, 0.3607

Tritanomaly

21.4803, 0.2405, 0.3391

Monochromacy



Original Color

21.5097, 0.2533, 0.3988

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.5727, 0.2805, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5097, 0.2533, 0.3988 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(37, 144, 112)` looks like.

```
.text, #text, p{  
  color:rgb(37, 144, 112)  
}
```

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(37, 144, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 144, 112) }
```

Border

The CSS property to change the border of an element to Yxy 21.5097, 0.2533, 0.3988 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(37, 144, 112) }
```

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

```
.border{ border-color:rgb(37, 144, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 144, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 144, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 144, 112);  
box-shadow:4px 4px 4px 4px rgb(37, 144,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5097, 0.2533, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 144, 112) }
```

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

```
.background{ background-color: rgb(37, 144,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor