

Converting Colors

$Yxy(28.1754, 0.2471, 0.3897)$

Have a look what the booklet for
Yxy(28.1754, 0.2471, 0.3897)
contains.

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Color

Yxy(28.1837, 0.2471, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	21A384
RGB	33, 163, 132
RGB Percent	13%, 64%, 52%
CMY	0.8705, 0.3608, 0.4824
CMYK	0.80, 0.00, 0.19, 0.36
HSL	166°, 66%, 38%
HSV	166°, 80%, 64%
XYZ	17.8890, 28.1837, 26.3231
YIQ	120.5960, -67.5290, -37.2010

Conversions

Conversions Part 2

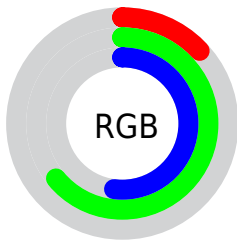
Format	Color
R_{YB}	33, 107, 163
Decimal	2204548
CIE _{Lab}	60.05, -41.28, 6.54
CIE _{LCh}	60, 41.794, 171.002
Yxy	28.1837, 0.2471, 0.3893
Android (android.graphics.Color)	4280394628 (0xFF21A384)
YUV	120.5960, 5.6222, -76.8217
Hunter-Lab	53.0883, -32.7560, 7.7637

Details

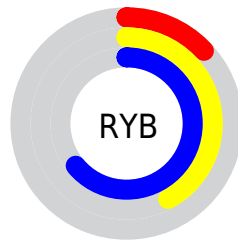
The Yxy color **28.1837, 0.2471, 0.3893** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.2462, 0.5247, 0.2927**, and the grayscale version is **18.9834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9325, 0.2610, 0.3765**, and **11.7764, 0.2462, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **27.8732, 0.2460, 0.3980**, and if you desaturate by 10%, it is **28.6306, 0.2501, 0.3806**.

Distribution



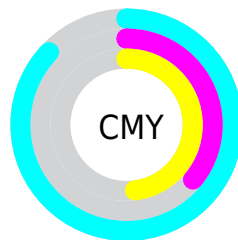
- Red (13%)
- Green (64%)
- Blue (52%)



- Red (13%)
- Yellow (42%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (36%)





- Cyan (87%)
- Magenta (36%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1837, 0.2471, 0.3893 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 28.1837, 0.2471, 0.3893 by changing the saturation by 10% instead.


 28.1837, 0.2471,
0.3893


 28.1837, 0.2471,
0.3893


 293.3437, 0.2829,
0.3557


 18.4642, 0.2371,
0.3990


 56.7776, 0.2609,
0.3762


 11.2838, 0.2235,
0.4125


 76.4208, 0.2658,
0.3715

 6.2580, 0.2041,
0.4322


 100.1406, 0.2699,
0.3677

 3.0026, 0.1745,
0.4637

 128.3215, 0.2733,
0.3645

 1.1331, 0.0259,
0.5846

 161.3479, 0.2763,
0.3618

 0.0060, 0.0000,
1.0000

 199.6041, 0.2788,

 0.0000, 0.0000,

0.3595

0.0000

243.4745, 0.2810,
0.3575

■ 28.1837, 0.2471,
0.3893

■ 28.1837, 0.2471,
0.3893

■ 27.8732, 0.2460,
0.3980

■ 28.6306, 0.2501,
0.3806

■ 27.6588, 0.2464,
0.4067

■ 29.2272, 0.2550,
0.3720

■ 27.6535, 0.2464,
0.4069

■ 29.9889, 0.2617,
0.3636

■ 30.9283, 0.2699,
0.3557

■ 32.0565, 0.2794,
0.3481

■ 33.3840, 0.2899,
0.3411

■ 34.9205, 0.3012,
0.3347

■ 36.6747, 0.3130,
0.3289

■ 38.6553, 0.3251,
0.3236

Harmonies

Analogous

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



28.1837, 0.3087, 0.4442



28.1837, 0.2471, 0.3893



28.1837, 0.2059, 0.3168

Triad

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



28.1837, 0.2471, 0.3893



28.1837, 0.2434, 0.2239



28.1837, 0.4501, 0.3757

Complementary

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



28.1837, 0.2471, 0.3893



9.2462, 0.5247, 0.2927

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.



28.1837, 0.4312, 0.3238



28.1837, 0.2471, 0.3893



28.1837, 0.3044, 0.2412

Square

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



28.1837, 0.2471, 0.3893



28.1837, 0.2048, 0.2289



28.1837, 0.3751, 0.2765



28.1837, 0.4275, 0.4240

Rectangle

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



28.1837, 0.2471, 0.3893



28.1837, 0.1935, 0.2758



28.1837, 0.3751, 0.2765



28.1837, 0.4487, 0.3583

Sweetspot

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



28.1848, 0.2471, 0.3893



58.6223, 0.2849, 0.3444



27.4469, 0.3184, 0.5607



12.9885, 0.2813, 0.3468



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.1848, 0.2471, 0.3893



49.6173, 0.2464, 0.4050



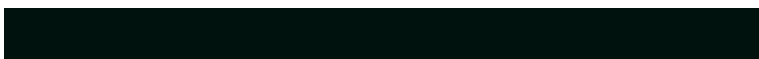
19.0687, 0.2127, 0.2653



7.9822, 0.3018, 0.3344



21.4984, 0.2462, 0.4061



0.4584, 0.2374, 0.3748

Inverse Universe

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



9.2462, 0.5247, 0.2927



14.4237, 0.5872, 0.3038



11.7369, 0.5435, 0.3687



7.1124, 0.3249, 0.3237



6.1710, 0.5921, 0.3035



0.1365, 0.4992, 0.2523

Previews

White Background



This preview shows how the Yxy color 28.1837, 0.2471, 0.3893 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 28.1837, 0.2471, 0.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

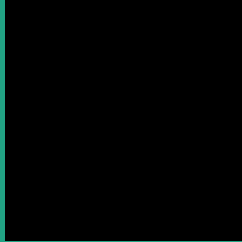
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1837, 0.2471, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 28.1837, 0.2471, 0.3893.

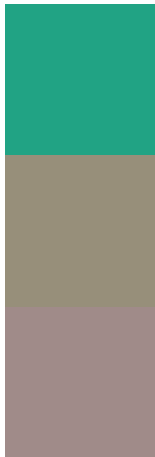


This preview shows how white text looks on a background with the Yxy color 28.1837, 0.2471, 0.3893.

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

28.1837, 0.2471, 0.3893

Protanopia

27.6294, 0.3430, 0.3631

Deuteranopia

27.7450, 0.3382, 0.3322



Tritanopia

28.2639, 0.2302, 0.3059

Trichromacy



Original Color

28.1837, 0.2471, 0.3893

Protanomaly

26.5072, 0.2933, 0.3727

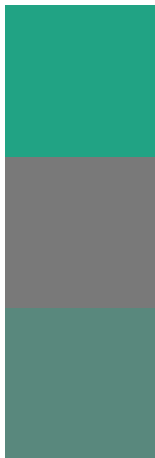
Deuteranomaly

26.5065, 0.2909, 0.3520

Tritanomaly

28.2043, 0.2356, 0.3343

Monochromacy



Original Color

28.1837, 0.2471, 0.3893

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.2128, 0.2750, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1837, 0.2471, 0.3893 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(33, 163, 132)` looks like.

```
.text, #text, p{  
    color:rgb(33, 163, 132)  
}
```

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(33, 163, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 163, 132) }
```

Border

The CSS property to change the border of an element to Yxy 28.1837, 0.2471, 0.3893 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(33, 163, 132) }
```

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

```
.border{ border-color:rgb(33, 163, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 163, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 163, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 163, 132);  
box-shadow:4px 4px 4px 4px rgb(33, 163,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1837, 0.2471, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 163, 132) }
```

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

```
.background{ background-color: rgb(33, 163,  
132) }
```

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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