

Converting Colors

$Y_{xy}(29.6955, 0.2511, 0.3828)$

Have a look what the booklet for
Yxy(29.6955, 0.2511, 0.3828)
contains.

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Color

Yxy(29.7824, 0.2512, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	33A689
RGB	51, 166, 137
RGB Percent	20%, 65%, 54%
CMY	0.8003, 0.3490, 0.4628
CMYK	0.69, 0.00, 0.17, 0.35
HSL	165°, 53%, 43%
HSV	165°, 69%, 65%
XYZ	19.5131, 29.7824, 28.3842
YIQ	128.3090, -59.2310, -33.3990

Conversions

Conversions Part 2

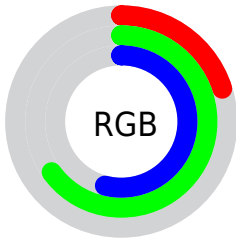
Format	Color
RYB	51, 117, 166
Decimal	3384969
CIELab	61.47, -38.94, 5.80
CIElCh	61, 39.373, 171.529
Yxy	29.7824, 0.2512, 0.3834
Android (android.graphics.Color)	4281575049 (0xFF33A689)
YUV	128.3090, 4.2847, -67.8000
Hunter-Lab	54.5733, -31.6790, 7.3639

Details

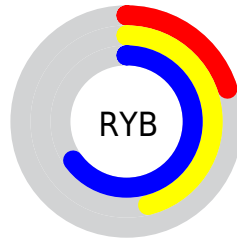
The Yxy color **29.7824, 0.2512, 0.3834** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.0467, 0.4812, 0.2896**, and the grayscale version is **21.6921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4050, 0.2640, 0.3725**, and **12.4984, 0.2448, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **29.3096, 0.2482, 0.3927**, and if you desaturate by 10%, it is **30.4161, 0.2561, 0.3743**.

Distribution



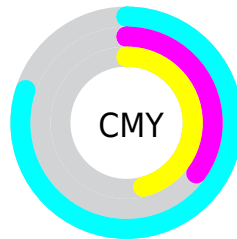
- Red (20%)
- Green (65%)
- Blue (54%)



- Red (20%)
- Yellow (46%)
- Blue (65%)



- Cyan (69%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)



- Cyan (80%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7824, 0.2512, 0.3834 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 29.7824, 0.2512, 0.3834 by changing the saturation by 10% instead.


 29.7824, 0.2512,
0.3834


 29.7824, 0.2512,
0.3834


300.8889, 0.2844,
0.3534

 19.6735, 0.2420,
0.3919


 59.3179, 0.2639,
0.3718

 12.1579, 0.2296,
0.4036


 79.5132, 0.2685,
0.3676

 6.8513, 0.2122,
0.4206


 103.8395, 0.2723,
0.3642

 3.3693, 0.1857,
0.4471

 132.6812, 0.2755,
0.3614

 1.3274, 0.0999,
0.5185

 166.4225, 0.2782,
0.3589

 0.1623, 0.0000,
1.0000

205.4480, 0.2806,

 0.0000, 0.0000,

0.3569

0.0000

250.1420, 0.2826,
0.3550

■ 29.7824, 0.2512,
0.3834

■ 29.7824, 0.2512,
0.3834

■ 29.3096, 0.2482,
0.3927

■ 30.4161, 0.2561,
0.3743

■ 28.9768, 0.2472,
0.4020

■ 31.2219, 0.2627,
0.3654

■ 28.7495, 0.2477,
0.4112

■ 32.2141, 0.2708,
0.3569

■ 28.7351, 0.2477,
0.4118

■ 33.4044, 0.2803,
0.3490

■ 34.8038, 0.2907,
0.3416

■ 36.4221, 0.3019,
0.3348

■ 38.2688, 0.3135,
0.3286

■ 40.3527, 0.3254,
0.3231

■ 42.6821, 0.3373,
0.3181

Harmonies

Analogous

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



29.7824, 0.3085, 0.4341



29.7824, 0.2512, 0.3834



29.7824, 0.2128, 0.3172

Triad

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



29.7824, 0.2512, 0.3834



29.7824, 0.2491, 0.2308



29.7824, 0.4401, 0.3744

Complementary

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



29.7824, 0.2512, 0.3834



11.0467, 0.4812, 0.2896

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.



29.7824, 0.4229, 0.3256



29.7824, 0.2512, 0.3834



29.7824, 0.3064, 0.2473

Square

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



29.7824, 0.2512, 0.3834



29.7824, 0.2123, 0.2354



29.7824, 0.3717, 0.2809



29.7824, 0.4191, 0.4188

Rectangle

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



29.7824, 0.2512, 0.3834



29.7824, 0.2012, 0.2793



29.7824, 0.3717, 0.2809



29.7824, 0.4388, 0.3582

Sweetspot

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



29.7836, 0.2512, 0.3834



62.6020, 0.2885, 0.3430



29.2906, 0.3225, 0.5344



13.8550, 0.2857, 0.3450



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.7836, 0.2512, 0.3834



52.8428, 0.2475, 0.3975



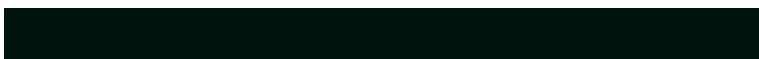
21.9653, 0.2219, 0.2785



8.4993, 0.3019, 0.3348



22.2876, 0.2475, 0.4110



0.5498, 0.2391, 0.3806

Inverse Universe

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



11.0467, 0.4812, 0.2896



16.6394, 0.5393, 0.2920



13.7628, 0.5066, 0.3663



7.5722, 0.3248, 0.3233



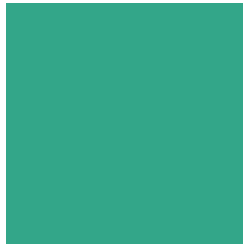
6.4220, 0.5882, 0.3014



0.1642, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 29.7824, 0.2512, 0.3834 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 29.7824, 0.2512, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

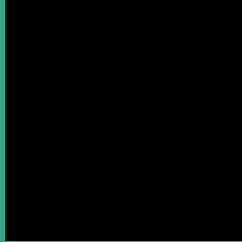
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7824, 0.2512, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 29.7824, 0.2512, 0.3834.

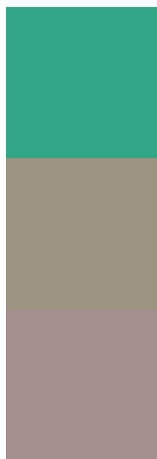


This preview shows how white text looks on a background with the Yxy color 29.7824, 0.2512, 0.3834.

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

29.7824, 0.2512, 0.3834

Protanopia

29.3683, 0.3412, 0.3606

Deuteranopia

29.1915, 0.3367, 0.3291



Tritanopia

29.7747, 0.2344, 0.3065

Trichromacy



Original Color

29.7824, 0.2512, 0.3834

Protanomaly

28.5318, 0.2974, 0.3692

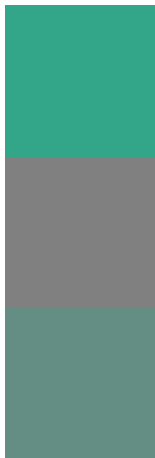
Deuteranomaly

28.2376, 0.2952, 0.3477

Tritanomaly

29.7917, 0.2400, 0.3323

Monochromacy



Original Color

29.7824, 0.2512, 0.3834

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.6940, 0.2808, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7824, 0.2512, 0.3834 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(51, 166, 137)` looks like.

```
.text, #text, p{  
    color:rgb(51, 166, 137)  
}
```

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(51, 166, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 166, 137) }
```

Border

The CSS property to change the border of an element to Yxy 29.7824, 0.2512, 0.3834 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(51, 166, 137) }
```

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

```
.border{ border-color:rgb(51, 166, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 166, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 166, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 166, 137); box-shadow:4px 4px 4px 4px rgb(51, 166, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7824, 0.2512, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 166, 137) }
```

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

```
.background{ background-color: rgb(51, 166,  
137) }
```

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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