

Converting Colors

$Y_{xy}(29.6679, 0.2505, 0.3826)$

Have a look what the booklet for
Yxy(29.6679, 0.2505, 0.3826)
contains.

Yxy(29.7567, 0.2508, 0.3834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.7567, 0.2508, 0.3834)$

Conversions

Conversions Part 1

Format	Color
Hex	32A689
RGB	50, 166, 137
RGB Percent	20%, 65%, 54%
CMY	0.8042, 0.3490, 0.4627
CMYK	0.70, 0.00, 0.17, 0.35
HSL	165°, 54%, 42%
HSV	165°, 70%, 65%
XYZ	19.4653, 29.7567, 28.3907
YIQ	128.0100, -59.8270, -33.6110

Conversions

Conversions Part 2

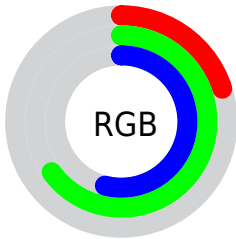
Format	Color
RYB	50, 116, 166
Decimal	3319433
CIELab	61.44, -39.09, 5.75
CIElCh	61, 39.509, 171.629
Yxy	29.7567, 0.2508, 0.3834
Android (android.graphics.Color)	4281509513 (0xFF32A689)
YUV	128.0100, 4.4321, -68.4148
Hunter-Lab	54.5497, -31.7669, 7.3270

Details

The Yxy color **29.7567, 0.2508, 0.3834** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.9465, 0.4840, 0.2900**, and the grayscale version is **21.5844, 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 **29.2936, 0.2479, 0.3926**, and if you desaturate by 10%, it is **30.3796, 0.2556, 0.3743**.

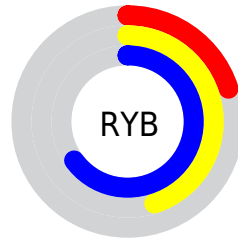
Distribution



Red (20%)

Green (65%)

Blue (54%)



Red (20%)

Yellow (45%)

Blue (65%)

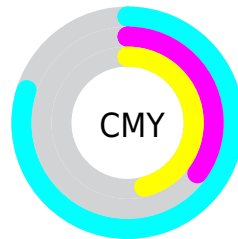


Cyan (70%)

Magenta (0%)

Yellow (17%)

Black (35%)



Cyan (80%)


Magenta (35%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7567, 0.2508, 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 29.7567, 0.2508, 0.3834 by changing the saturation by 10% instead.


 29.7567, 0.2508,
0.3834


 29.7567, 0.2508,
0.3834

300.7687, 0.2843,
0.3534


 19.6540, 0.2416,
0.3919


 59.2772, 0.2636,
0.3718


 12.1438, 0.2291,
0.4036


 79.4638, 0.2682,
0.3676


 6.8417, 0.2115,
0.4205


 103.7804, 0.2720,
0.3642

 3.3633, 0.1849,
0.4471

 132.6116, 0.2752,
0.3614

 1.3242, 0.0980,
0.5190

 166.3416, 0.2780,
0.3589

 0.1598, 0.0000,
1.0000

205.3548, 0.2804,

 0.0000, 0.0000,

0.3569

0.0000

250.0358, 0.2824,
0.3550

■ 29.7567, 0.2508,
0.3834

■ 29.7567, 0.2508,
0.3834

■ 29.2936, 0.2479,
0.3926

■ 30.3796, 0.2556,
0.3743

■ 28.9692, 0.2470,
0.4018

■ 31.1738, 0.2621,
0.3656

■ 28.7456, 0.2475,
0.4109

■ 32.1535, 0.2702,
0.3572

■ 28.7440, 0.2475,
0.4110

■ 33.3307, 0.2796,
0.3492

■ 34.7161, 0.2900,
0.3419

■ 36.3198, 0.3012,
0.3351

■ 38.1512, 0.3128,
0.3290

■ 40.2192, 0.3247,
0.3234

■ 42.5322, 0.3366,
0.3185

Harmonies

Analogous

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



29.7567, 0.3083, 0.4344



29.7567, 0.2508, 0.3834



29.7567, 0.2123, 0.3169

Triad

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



29.7567, 0.2508, 0.3834



29.7567, 0.2491, 0.2305



29.7567, 0.4405, 0.3747

Complementary

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



29.7567, 0.2508, 0.3834



10.9465, 0.4840, 0.2900

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.



29.7567, 0.4234, 0.3257



29.7567, 0.2508, 0.3834



29.7567, 0.3066, 0.2471

Square

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



29.7567, 0.2508, 0.3834



29.7567, 0.2121, 0.2350



29.7567, 0.3721, 0.2808



29.7567, 0.4194, 0.4192

Rectangle

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



29.7567, 0.2508, 0.3834



29.7567, 0.2008, 0.2789



29.7567, 0.3721, 0.2808



29.7567, 0.4393, 0.3584

Sweetspot

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



29.7579, 0.2508, 0.3834



62.6072, 0.2884, 0.3429



29.1647, 0.3209, 0.5369



13.8563, 0.2856, 0.3448



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.



29.7579, 0.2508, 0.3834



52.7996, 0.2472, 0.3978



21.3177, 0.2204, 0.2742



8.4996, 0.3019, 0.3347



22.2953, 0.2473, 0.4101



0.5499, 0.2389, 0.3800

Inverse Universe

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



10.9465, 0.4840, 0.2900



16.4782, 0.5437, 0.2929



13.9223, 0.5064, 0.3692



7.5719, 0.3248, 0.3234



6.4198, 0.5889, 0.3018



0.1641, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 29.7567, 0.2508, 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 29.7567, 0.2508, 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 29.7567, 0.2508, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 29.7567, 0.2508, 0.3834.



This preview shows how white text looks on a background with the Yxy color 29.7567, 0.2508, 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

29.7567, 0.2508, 0.3834

Protanopia

29.3683, 0.3412, 0.3606

Deuteranopia

29.0855, 0.3356, 0.3291



Tritanopia

29.7390, 0.2340, 0.3065

Trichromacy



Original Color

29.7567, 0.2508, 0.3834

Protanomaly

28.5318, 0.2974, 0.3692

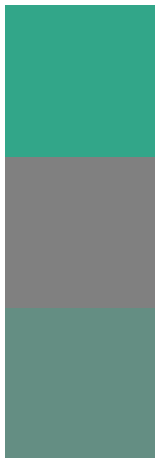
Deuteranomaly

28.1642, 0.2942, 0.3478

Tritanomaly

29.7597, 0.2396, 0.3323

Monochromacy



Original Color

29.7567, 0.2508, 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 29.7567, 0.2508, 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(50, 166, 137)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 166, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 166, 137) }
```

Border

The CSS property to change the border of an element to Yxy 29.7567, 0.2508, 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(50, 166, 137) }
```

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

```
.border{ border-color:rgb(50, 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(50, 166, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 166, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 166, 137);  
box-shadow:4px 4px 4px 4px rgb(50, 166,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7567, 0.2508, 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(50, 166, 137) }
```

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

```
.background{ background-color: rgb(50, 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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