

Converting Colors

$Yxy(27.1164, 0.2437, 0.3556)$

Have a look what the booklet for
Yxy(27.1164, 0.2437, 0.3556)
contains.

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Color

Yxy(27.1711, 0.2437, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	339E90
RGB	51, 158, 144
RGB Percent	20%, 62%, 56%
CMY	0.7995, 0.3804, 0.4353
CMYK	0.68, 0.00, 0.09, 0.38
HSL	172°, 51%, 41%
HSV	172°, 68%, 62%
XYZ	18.6314, 27.1711, 30.6497
YIQ	124.4110, -59.2780, -27.0380

Conversions

Conversions Part 2

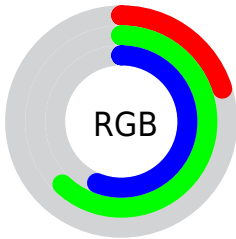
Format	Color
R_{YB}	51, 108, 158
Decimal	3382928
CIE _{Lab}	59.13, -33.40, -1.54
CIE _{LCh}	59, 33.431, 182.633
Yxy	27.1711, 0.2437, 0.3554
Android (android.graphics.Color)	4281573008 (0xFF339E90)
YUV	124.4110, 9.6574, -64.3814
Hunter-Lab	52.1259, -27.4190, 1.6260

Details

The Yxy color **27.1711, 0.2437, 0.3554** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0313, 0.5018, 0.3098**, and the grayscale version is **20.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1105, 0.2579, 0.3495**, and **11.1162, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **26.7653, 0.2395, 0.3599**, and if you desaturate by 10%, it is **27.7197, 0.2498, 0.3510**.

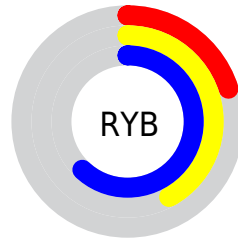
Distribution



Red (20%)

Green (62%)

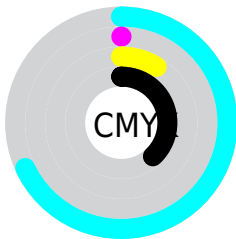
Blue (56%)



Red (20%)

Yellow (42%)

Blue (62%)

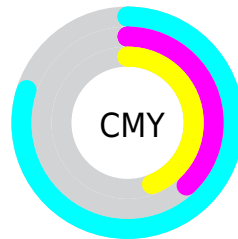


Cyan (68%)

Magenta (0%)

Yellow (9%)

Black (38%)



Cyan (80%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1711, 0.2437, 0.3554 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 27.1711, 0.2437, 0.3554 by changing the saturation by 10% instead.


 27.1711, 0.2437,
0.3554


 27.1711, 0.2437,
0.3554


288.4846, 0.2809,
0.3414

 17.7018, 0.2335,
0.3592


 55.1583, 0.2579,
0.3501

 10.7361, 0.2198,
0.3642


 74.4450, 0.2630,
0.3482


 5.8897, 0.2005,
0.3711

 97.7729, 0.2673,
0.3466

 2.7781, 0.1715,
0.3811

 125.5264, 0.2709,
0.3452

 1.0170, 0.0609,
0.4252

 158.0899, 0.2739,
0.3440

 0.0000, 0.0000,
0.0000

195.8479, 0.2766,

0.3430

239.1846, 0.2789,
0.3421

■ 27.1711, 0.2437,
0.3554

■ 27.1711, 0.2437,
0.3554

■ 26.7653, 0.2395,
0.3599

■ 27.7197, 0.2498,
0.3510

■ 26.4845, 0.2371,
0.3644

■ 28.4206, 0.2577,
0.3466

■ 26.3043, 0.2362,
0.3689

■ 29.2863, 0.2671,
0.3424

■ 26.2660, 0.2361,
0.3699

■ 30.3270, 0.2779,
0.3385

■ 31.5521, 0.2898,
0.3348

■ 32.9703, 0.3026,
0.3314

■ 34.5897, 0.3159,
0.3283

■ 36.4181, 0.3295,
0.3255

■ 38.4628, 0.3433,
0.3230

Harmonies

Analogous

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



27.1711, 0.2898, 0.4069



27.1711, 0.2437, 0.3554



27.1711, 0.2171, 0.3000

Triad

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



27.1711, 0.2437, 0.3554



27.1711, 0.2739, 0.2450



27.1711, 0.4216, 0.3860

Complementary

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



27.1711, 0.2437, 0.3554



10.0313, 0.5018, 0.3098

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.



27.1711, 0.4187, 0.3430



27.1711, 0.2437, 0.3554



27.1711, 0.3288, 0.2659

Square

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



27.1711, 0.2437, 0.3554



27.1711, 0.2334, 0.2421



27.1711, 0.3836, 0.3006



27.1711, 0.3933, 0.4198

Rectangle

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



27.1711, 0.2437, 0.3554



27.1711, 0.2122, 0.2711



27.1711, 0.3836, 0.3006



27.1711, 0.4244, 0.3721

Sweetspot

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



27.1721, 0.2437, 0.3554



56.6568, 0.2864, 0.3358



25.8282, 0.3119, 0.5358



12.6385, 0.2833, 0.3368



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.1721, 0.2437, 0.3554



48.3320, 0.2380, 0.3621



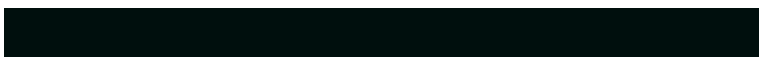
16.3249, 0.2166, 0.2504



7.4945, 0.3005, 0.3319



21.0429, 0.2360, 0.3696



0.3800, 0.2310, 0.3516

Inverse Universe

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



10.0313, 0.5018, 0.3098



15.0063, 0.5653, 0.3120



14.8747, 0.4799, 0.3883



6.6596, 0.3264, 0.3261



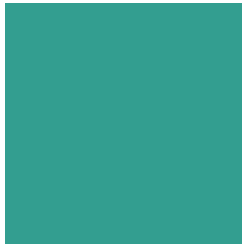
5.8678, 0.6197, 0.3187



0.1085, 0.5478, 0.2792

Previews

White Background



This preview shows how the Yxy color 27.1711, 0.2437, 0.3554 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 27.1711, 0.2437, 0.3554 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 27.1711, 0.2437, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 27.1711, 0.2437, 0.3554.

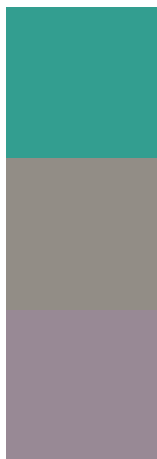


This preview shows how white text looks on a background with the Yxy color 27.1711, 0.2437, 0.3554.

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

27.1711, 0.2437, 0.3554

Protanopia

26.8820, 0.3253, 0.3405

Deuteranopia

26.7366, 0.3169, 0.3101



Tritanopia

27.2568, 0.2333, 0.3074

Trichromacy



Original Color

27.1711, 0.2437, 0.3554

Protanomaly

26.1472, 0.2863, 0.3450

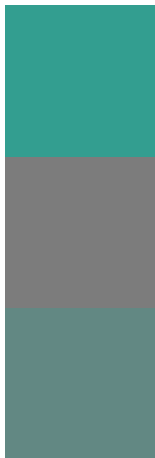
Deuteranomaly

26.0022, 0.2811, 0.3254

Tritanomaly

27.1797, 0.2366, 0.3233

Monochromacy



Original Color

27.1711, 0.2437, 0.3554

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.8437, 0.2780, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1711, 0.2437, 0.3554 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, 158, 144)` looks like.

```
.text, #text, p{  
    color:rgb(51, 158, 144)  
}
```

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, 158, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 158, 144) }
```

Border

The CSS property to change the border of an element to Yxy 27.1711, 0.2437, 0.3554 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, 158, 144) }
```

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

```
.border{ border-color:rgb(51, 158, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 158, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 158, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 158, 144);  
box-shadow:4px 4px 4px 4px rgb(51, 158,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1711, 0.2437, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 158, 144) }
```

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

```
.background{ background-color: rgb(51, 158,  
144) }
```

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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