

Converting Colors

$Y_{xy}(29.9654, 0.3237, 0.3563)$

Have a look what the booklet for
Yxy(29.9654, 0.3237, 0.3563)
contains.

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Color

Yxy(29.9654, 0.3237, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	929786
RGB	146, 151, 134
RGB Percent	57%, 59%, 53%
CMY	0.4275, 0.4078, 0.4744
CMYK	0.03, 0.00, 0.11, 0.41
HSL	78°, 8%, 56%
HSV	78°, 11%, 59%
XYZ	27.2237, 29.9654, 26.9125
YIQ	147.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

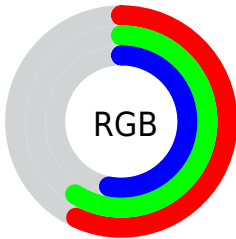
Format	Color
R_{YB}	134, 151, 139
Decimal	9607046
CIE Lab	61.62, -5.00, 8.32
CIE LCh	62, 9.706, 120.996
Yxy	29.9654, 0.3237, 0.3563
Android (android.graphics.Color)	4287797126 (0xFF929786)
YUV	147.5670, -6.6885, -1.3743
Hunter-Lab	54.7407, -7.0243, 9.1693

Details

The Yxy color $29.9654, 0.3237, 0.3563$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.7845, 0.3009, 0.3011$, and the grayscale version is $29.4529, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5299, 0.3217, 0.3506$, and $12.1873, 0.3273, 0.3667$ is the 20% darker color. If you saturate the color by 10%, you get $29.1741, 0.3335, 0.3821$, and if you desaturate by 10%, it is $30.8355, 0.3139, 0.3319$.

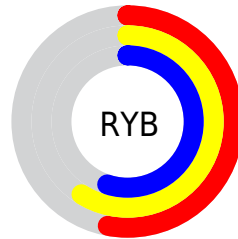
Distribution



Red (57%)

Green (59%)

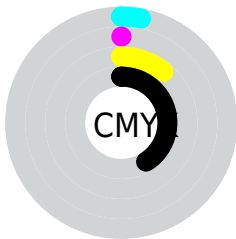
Blue (53%)



Red (53%)

Yellow (59%)

Blue (55%)

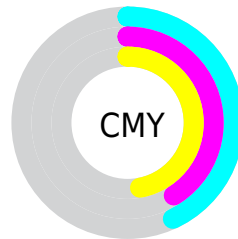


Cyan (3%)

Magenta (0%)

Yellow (11%)

Black (41%)



Cyan (43%)


Magenta (41%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9654, 0.3237, 0.3563 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 29.9654, 0.3237, 0.3563 by changing the saturation by 10% instead.


 29.9654, 0.3237,
0.3563


 29.9654, 0.3237,
0.3563


301.7431, 0.3179,
0.3415


 19.8123, 0.3253,
0.3604

 59.6075, 0.3215,
0.3506

 12.2587, 0.3273,
0.3661


 79.8652, 0.3207,
0.3486

 6.9201, 0.3302,
0.3741


 104.2600, 0.3200,
0.3469

 3.4122, 0.3345,
0.3866

133.1762, 0.3195,
0.3455

 1.3505, 0.3422,
0.4094

166.9983, 0.3190,
0.3442

 0.1798, 0.2138,
0.7862

206.1105, 0.3186,

 0.0000, 0.0000,

0.3432

0.0000

250.8973, 0.3182,
0.3423

■ 29.9654, 0.3237,
0.3563

■ 29.9654, 0.3237,
0.3563

■ 29.1741, 0.3335,
0.3821

■ 30.8355, 0.3139,
0.3319

■ 28.4549, 0.3431,
0.4087

■ 31.7829, 0.3044,
0.3092

■ 27.8062, 0.3519,
0.4355

■ 32.8115, 0.2953,
0.2883

■ 27.2248, 0.3596,
0.4615

■ 33.9235, 0.2868,
0.2693

■ 26.7075, 0.3658,
0.4857

■ 35.1211, 0.2788,
0.2520

■ 26.2504, 0.3698,
0.5069

■ 36.4065, 0.2714,
0.2364

■ 25.8493, 0.3715,
0.5242

■ 37.7817, 0.2645,
0.2224

■ 25.4992, 0.3708,
0.5369

■ 39.2488, 0.2582,
0.2098

■ 25.2236, 0.3688,
0.5453

■ 39.8102, 0.2615,
0.2108

Harmonies

Analogous

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



29.9654, 0.3368, 0.3549



29.9654, 0.3237, 0.3563



29.9654, 0.3079, 0.3499

Triad

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



29.9654, 0.3237, 0.3563



29.9654, 0.2829, 0.3105



29.9654, 0.3319, 0.3205

Complementary

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



29.9654, 0.3237, 0.3563



24.7845, 0.3009, 0.3011

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.



29.9654, 0.3170, 0.3094



29.9654, 0.3237, 0.3563



29.9654, 0.2889, 0.3035

Square

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



29.9654, 0.3237, 0.3563



29.9654, 0.2846, 0.3229



29.9654, 0.3013, 0.3032



29.9654, 0.3417, 0.3339

Rectangle

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



29.9654, 0.3237, 0.3563



29.9654, 0.2980, 0.3421



29.9654, 0.3013, 0.3032



29.9654, 0.3273, 0.3164

Sweetspot

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



29.9667, 0.3237, 0.3563



54.9260, 0.3157, 0.3362



26.7197, 0.3312, 0.3368



12.4560, 0.3164, 0.3381



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.9667, 0.3237, 0.3563



53.3662, 0.3257, 0.3614



29.2348, 0.3151, 0.3570



7.1313, 0.3217, 0.3513



21.4721, 0.3691, 0.5451



0.3395, 0.3927, 0.5264

Inverse Universe

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



24.7845, 0.3009, 0.3011



42.5691, 0.2986, 0.2958



25.5252, 0.3099, 0.3019



6.1103, 0.3032, 0.3063



2.3810, 0.1715, 0.0719



0.0527, 0.2160, 0.0963

Previews

White Background



This preview shows how the Yxy color 29.9654, 0.3237, 0.3563 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 29.9654, 0.3237, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

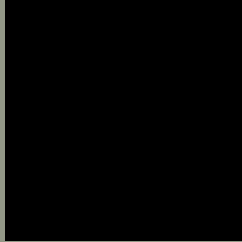
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

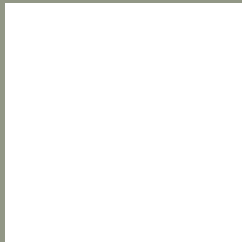
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9654, 0.3237, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 29.9654, 0.3237, 0.3563.



This preview shows how white text looks on a background with the Yxy color 29.9654, 0.3237, 0.3563.

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

29.9654, 0.3237, 0.3563

Protanopia

29.8418, 0.3348, 0.3526

Deuteranopia

29.7473, 0.3472, 0.3396



Tritanopia

29.8547, 0.3044, 0.3105

Trichromacy



Original Color

29.9654, 0.3237, 0.3563

Protanomaly

29.8637, 0.3314, 0.3544

Deuteranomaly

29.7806, 0.3387, 0.3460

Tritanomaly

29.7714, 0.3118, 0.3259

Monochromacy



Original Color

29.9654, 0.3237, 0.3563

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6811, 0.3164, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9654, 0.3237, 0.3563 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(146, 151, 134)` looks like.

```
.text, #text, p{  
    color:rgb(146, 151, 134)  
}
```

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(146, 151, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 151, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.9654, 0.3237, 0.3563 is called "border". The border property can be set on classes, ids or directly on the HTML element.

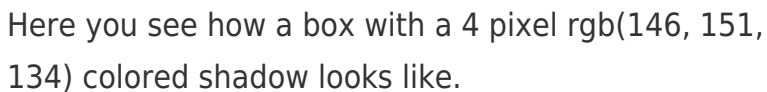
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 151, 134) }
```

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

```
.border{ border-color:rgb(146, 151, 134) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 151, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 151, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 151, 134); box-shadow:4px 4px 4px 4px rgb(146, 151, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9654, 0.3237, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 151, 134) }
```

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

```
.background{ background-color: rgb(146,  
151, 134) }
```

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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