

Converting Colors

$Y_{xy}(29.7759, 0.3100, 0.3512)$

Have a look what the booklet for
Yxy(29.7759, 0.3100, 0.3512)
contains.

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Color

$Yxy(29.6389, 0.3097, 0.3503)$

Conversions

Conversions Part 1

Format	Color
Hex	89988B
RGB	137, 152, 139
RGB Percent	54%, 60%, 55%
CMY	0.4628, 0.4039, 0.4549
CMYK	0.10, 0.00, 0.09, 0.40
HSL	128°, 7%, 57%
HSV	128°, 10%, 60%
XYZ	26.2037, 29.6389, 28.7674
YIQ	146.0330, -4.7670, -7.2230

Conversions

Conversions Part 2

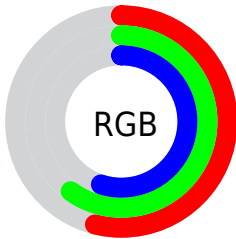
Format	Color
R_{YB}	137, 150, 152
Decimal	9017483
CIE Lab	61.34, -7.95, 5.01
CIE LCh	61, 9.396, 147.760
Yxy	29.6389, 0.3097, 0.3503
Android (android.graphics.Color)	4287207563 (0xFF89988B)
YUV	146.0330, -3.4673, -7.9219
Hunter-Lab	54.4416, -9.3576, 6.7798

Details

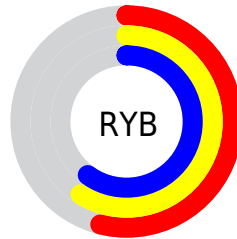
The Yxy color $29.6389, 0.3097, 0.3503$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $26.7659, 0.3159, 0.3086$, and the grayscale version is $28.7747, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.8955, 0.3104, 0.3461$, and $12.0549, 0.3085, 0.3580$ is the 20% darker color. If you saturate the color by 10%, you get $28.0830, 0.3066, 0.3746$, and if you desaturate by 10%, it is $31.4246, 0.3128, 0.3288$.

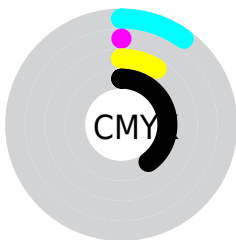
Distribution



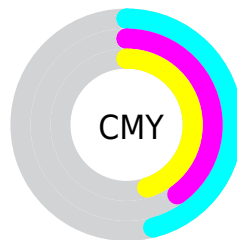
- Red (54%)
- Green (60%)
- Blue (55%)



- Red (54%)
- Yellow (59%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6389, 0.3097, 0.3503 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 29.6389, 0.3097, 0.3503 by changing the saturation by 10% instead.

■ 29.6389, 0.3097,
0.3503

■ 29.6389, 0.3097,
0.3503

■ 300.2176, 0.3114,
0.3387

■ 19.5647, 0.3092,
0.3536

■ 59.0906, 0.3104,
0.3458

■ 12.0790, 0.3085,
0.3580

■ 79.2370, 0.3106,
0.3442

■ 6.7975, 0.3075,
0.3644

■ 103.5094, 0.3108,
0.3429

■ 3.3358, 0.3058,
0.3745

■ 132.2924, 0.3110,
0.3418

■ 1.3094, 0.3025,
0.3925

■ 165.9703, 0.3111,
0.3409

■ 0.1485, 0.0000,
1.0000

■ 204.9276, 0.3112,

■ 0.0000, 0.0000,

0.3400

0.0000

249.5485, 0.3113,
0.3393

■ 29.6389, 0.3097,
0.3503

■ 29.6389, 0.3097,
0.3503

■ 28.0830, 0.3066,
0.3746

■ 31.4246, 0.3128,
0.3288

■ 26.7440, 0.3035,
0.4017

■ 33.4450, 0.3157,
0.3099

■ 25.6133, 0.3006,
0.4311


■ 35.7095, 0.3184,
0.2935

■ 24.6804, 0.2981,
0.4621

■ 38.2260, 0.3210,
0.2792


■ 23.9339, 0.2961,
0.4935

■ 41.0018, 0.3233,
0.2669

 23.3611, 0.2950,
0.5235


 44.0441, 0.3255,
0.2563


 22.9477, 0.2948,
0.5503

 47.3598, 0.3275,
0.2471

 22.6772, 0.2955,
0.5720

 50.2674, 0.3263,
0.2382

 22.5122, 0.2966,
0.5876

 50.9385, 0.3174,
0.2293

Harmonies

Analogous

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



29.6389, 0.3250, 0.3557



29.6389, 0.3097, 0.3503



29.6389, 0.2955, 0.3387

Triad

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



29.6389, 0.3097, 0.3503



29.6389, 0.2886, 0.3046



29.6389, 0.3402, 0.3324

Complementary

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



29.6389, 0.3097, 0.3503



26.7659, 0.3159, 0.3086

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.



29.6389, 0.3300, 0.3194



29.6389, 0.3097, 0.3503



29.6389, 0.3001, 0.3036

Square

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



29.6389, 0.3097, 0.3503



29.6389, 0.2835, 0.3122



29.6389, 0.3152, 0.3090



29.6389, 0.3428, 0.3449

Rectangle

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



29.6389, 0.3097, 0.3503



29.6389, 0.2885, 0.3293



29.6389, 0.3152, 0.3090



29.6389, 0.3375, 0.3280

Sweetspot

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



29.6402, 0.3097, 0.3503



54.4170, 0.3118, 0.3353



30.7487, 0.3249, 0.3527



12.3121, 0.3116, 0.3369



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.



29.6402, 0.3097, 0.3503



51.6307, 0.3090, 0.3558



29.8669, 0.3029, 0.3379



6.9384, 0.3099, 0.3488



18.8758, 0.2964, 0.5870



0.2852, 0.2824, 0.5365

Inverse Universe

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



26.7659, 0.3159, 0.3086



45.4472, 0.3167, 0.3036



26.5321, 0.3237, 0.3203



6.3094, 0.3157, 0.3100



6.9880, 0.3571, 0.1741



0.1079, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 29.6389, 0.3097, 0.3503 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 29.6389, 0.3097, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

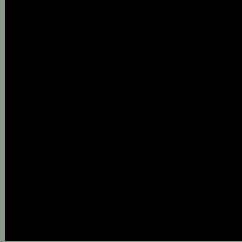
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

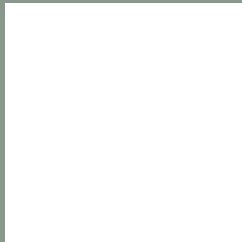
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6389, 0.3097, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 29.6389, 0.3097, 0.3503.



This preview shows how white text looks on a background with the Yxy color 29.6389, 0.3097, 0.3503.

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

29.6389, 0.3097, 0.3503

Protanopia

29.4173, 0.3299, 0.3464

Deuteranopia

29.5673, 0.3386, 0.3321



Tritanopia

29.7308, 0.2938, 0.3101

Trichromacy



Original Color

29.6389, 0.3097, 0.3503

Protanomaly

29.5041, 0.3222, 0.3482

Deuteranomaly

29.4198, 0.3282, 0.3384

Tritanomaly

29.6880, 0.3000, 0.3242

Monochromacy



Original Color

29.6389, 0.3097, 0.3503

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0026, 0.3123, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6389, 0.3097, 0.3503 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(137, 152, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 152, 139)  
}
```

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(137, 152, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 152, 139) }
```

Border

The CSS property to change the border of an element to Yxy 29.6389, 0.3097, 0.3503 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(137, 152, 139) }
```

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

```
.border{ border-color:rgb(137, 152, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 152, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 152, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 152, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 152,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6389, 0.3097, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 152, 139) }
```

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

```
.background{ background-color: rgb(137,  
152, 139) }
```

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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