

Converting Colors

$Y_{xy}(32.7729, 0.3137, 0.3708)$

Have a look what the booklet for
Yxy(32.7729, 0.3137, 0.3708)
contains.

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Color

Yxy(32.6423, 0.3136, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	8AA187
RGB	138, 161, 135
RGB Percent	54%, 63%, 53%
CMY	0.4588, 0.3686, 0.4706
CMYK	0.14, 0.00, 0.16, 0.37
HSL	113°, 12%, 58%
HSV	113°, 16%, 63%
XYZ	27.5994, 32.6423, 27.7666
YIQ	151.1590, -5.3620, -12.9620

Conversions

Conversions Part 2

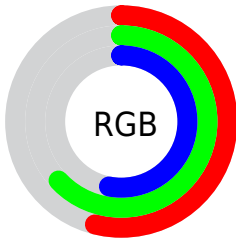
Format	Color
RYB	135, 161, 158
Decimal	9085319
CIELab	63.87, -13.17, 10.88
CIELCh	64, 17.082, 140.442
Yxy	32.6423, 0.3136, 0.3709
Android (android.graphics.Color)	4287275399 (0xFF8AA187)
YUV	151.1590, -7.9664, -11.5404
Hunter-Lab	57.1334, -13.7556, 11.1787

Details

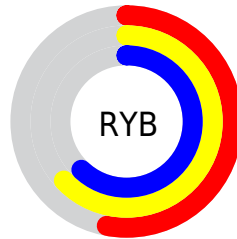
The Yxy color **32.6423, 0.3136, 0.3709** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **27.1699, 0.3113, 0.2897**, and the grayscale version is **31.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9490, 0.3140, 0.3627**, and **13.6679, 0.3141, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **31.0878, 0.3139, 0.4008**, and if you desaturate by 10%, it is **34.4274, 0.3131, 0.3440**.

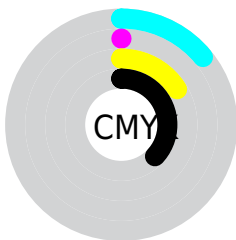
Distribution



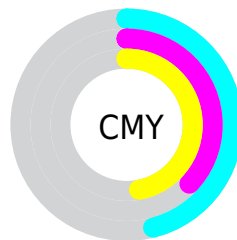
- Red (54%)
- Green (63%)
- Blue (53%)



- Red (53%)
- Yellow (63%)
- Blue (62%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (37%)





- Cyan (46%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6423, 0.3136, 0.3709 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 32.6423, 0.3136, 0.3709 by changing the saturation by 10% instead.


 32.6423, 0.3136,
0.3709


 32.6423, 0.3136,
0.3709


314.0348, 0.3134,
0.3482


 21.8526, 0.3135,
0.3772


 63.8167, 0.3136,
0.3622

 13.7486, 0.3134,
0.3858


 84.9701, 0.3136,
0.3590

 7.9460, 0.3130,
0.3981

 110.3469, 0.3135,
0.3565

 4.0604, 0.3121,
0.4171

140.3314, 0.3135,
0.3543

 1.7074, 0.3095,
0.4502

175.3080, 0.3135,
0.3524

 0.4285, 0.1667,
0.8333

215.6612, 0.3135,

 0.0000, 0.0000,

0.3508

0.0000

261.7754, 0.3134,
0.3494

■ 32.6423, 0.3136,
0.3709

■ 32.6423, 0.3136,
0.3709

■ 31.0878, 0.3139,
0.4008

■ 34.4274, 0.3131,
0.3440

■ 29.7506, 0.3138,
0.4331

■ 36.4477, 0.3125,
0.3202

■ 28.6222, 0.3133,
0.4670


■ 38.7127, 0.3117,
0.2993


■ 27.6919, 0.3123,
0.5009


■ 41.2303, 0.3109,
0.2811

■ 26.9483, 0.3108,
0.5326

■ 44.0080, 0.3101,
0.2654

 26.3785, 0.3087,
0.5598

 47.0530, 0.3093,
0.2517

 25.9682, 0.3063,
0.5805

 50.3722, 0.3085,
0.2398

 25.6997, 0.3039,
0.5935

 53.3922, 0.3145,
0.2368

 25.6254, 0.3032,
0.5974

 53.9709, 0.3170,
0.2375

Harmonies

Analogous

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



32.6423, 0.3399, 0.3769



32.6423, 0.3136, 0.3709



32.6423, 0.2879, 0.3520

Triad

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



32.6423, 0.3136, 0.3709



32.6423, 0.2675, 0.2885



32.6423, 0.3580, 0.3287

Complementary

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



32.6423, 0.3136, 0.3709



27.1699, 0.3113, 0.2897

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.



32.6423, 0.3371, 0.3073



32.6423, 0.3136, 0.3709



32.6423, 0.2847, 0.2845

Square

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



32.6423, 0.3136, 0.3709



32.6423, 0.2619, 0.3035



32.6423, 0.3100, 0.2914



32.6423, 0.3663, 0.3510

Rectangle

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



32.6423, 0.3136, 0.3709



32.6423, 0.2743, 0.3354



32.6423, 0.3100, 0.2914



32.6423, 0.3522, 0.3212

Sweetspot

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



32.6437, 0.3136, 0.3709



62.0162, 0.3130, 0.3414



33.7700, 0.3370, 0.3637



13.5516, 0.3131, 0.3430



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.



32.6437, 0.3136, 0.3709



57.5228, 0.3137, 0.3802



32.6850, 0.3022, 0.3547



7.9324, 0.3133, 0.3521



20.4752, 0.3035, 0.5972



0.4411, 0.3182, 0.5855

Inverse Universe

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



27.1699, 0.3113, 0.2897



46.0321, 0.3109, 0.2816



27.1405, 0.3249, 0.3046



7.1605, 0.3120, 0.3067



6.6876, 0.2925, 0.1385



0.1515, 0.3035, 0.1446

Previews

White Background



This preview shows how the Yxy color 32.6423, 0.3136, 0.3709 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.6423, 0.3136, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

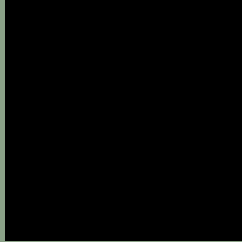
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6423, 0.3136, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 32.6423, 0.3136, 0.3709.



This preview shows how white text looks on a background with the Yxy color 32.6423, 0.3136, 0.3709.

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

32.6423, 0.3136, 0.3709

Protanopia

32.4585, 0.3419, 0.3624

Deuteranopia

32.5311, 0.3532, 0.3465



Tritanopia

32.4811, 0.2891, 0.3092

Trichromacy



Original Color

32.6423, 0.3136, 0.3709

Protanomaly

32.5797, 0.3309, 0.3663

Deuteranomaly

32.2414, 0.3382, 0.3548

Tritanomaly

32.5508, 0.2975, 0.3305

Monochromacy



Original Color

32.6423, 0.3136, 0.3709

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5980, 0.3130, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6423, 0.3136, 0.3709 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(138, 161, 135)` looks like.

```
.text, #text, p{  
    color:rgb(138, 161, 135)  
}
```

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(138, 161, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 161, 135) }
```

Border

The CSS property to change the border of an element to Yxy 32.6423, 0.3136, 0.3709 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(138, 161, 135) }
```

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

```
.border{ border-color:rgb(138, 161, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 161, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 161, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 161, 135); box-shadow:4px 4px 4px 4px rgb(138, 161, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6423, 0.3136, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 161, 135) }
```

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

```
.background{ background-color: rgb(138,  
161, 135) }
```

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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