

Converting Colors

$Y_{xy}(32.2670, 0.3139, 0.3783)$

Have a look what the booklet for
Yxy(32.2670, 0.3139, 0.3783)
contains.

Yxy(32.2793, 0.3142, 0.3780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.2793, 0.3142, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	87A183
RGB	135, 161, 131
RGB Percent	53%, 63%, 51%
CMY	0.4706, 0.3686, 0.4863
CMYK	0.16, 0.00, 0.19, 0.37
HSL	112°, 14%, 57%
HSV	112°, 19%, 63%
XYZ	26.8311, 32.2793, 26.2846
YIQ	149.8060, -5.8660, -14.8420

Conversions

Conversions Part 2

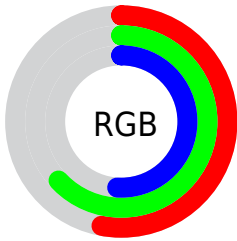
Format	Color
RYB	131, 161, 157
Decimal	8888707
CIELab	63.57, -14.99, 12.66
CIELCh	64, 19.624, 139.808
Yxy	32.2793, 0.3142, 0.3780
Android (android.graphics.Color)	4287078787 (0xFF87A183)
YUV	149.8060, -9.2714, -12.9849
Hunter-Lab	56.8149, -15.1285, 12.3408

Details

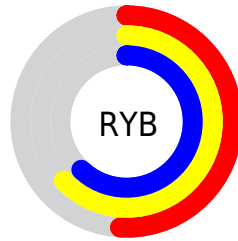
The Yxy color **32.2793, 0.3142, 0.3780** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.9719, 0.3104, 0.2833**, and the grayscale version is **30.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3912, 0.3145, 0.3679**, and **13.4778, 0.3137, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **30.7949, 0.3146, 0.4084**, and if you desaturate by 10%, it is **33.9860, 0.3135, 0.3504**.

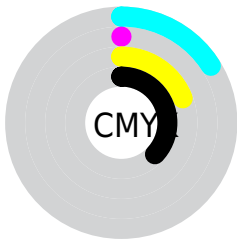
Distribution



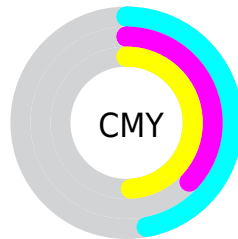
- Red (53%)
- Green (63%)
- Blue (51%)



- Red (51%)
- Yellow (63%)
- Blue (62%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (37%)



- Cyan (47%)
- Magenta (37%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2793, 0.3142, 0.3780 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 32.2793, 0.3142, 0.3780 by changing the saturation by 10% instead.

■ 32.2793, 0.3142,
0.3780

■ 32.2793, 0.3142,
0.3780

■ 312.3896, 0.3138,
0.3513

■ 21.5749, 0.3142,
0.3855

■ 63.2487, 0.3141,
0.3677

■ 13.5449, 0.3140,
0.3957

■ 84.2825, 0.3141,
0.3640

■ 7.8048, 0.3135,
0.4103

■ 109.5282, 0.3140,
0.3610

■ 3.9703, 0.3123,
0.4330

■ 139.3703, 0.3140,
0.3584

■ 1.6570, 0.3101,
0.4748

■ 174.1930, 0.3139,
0.3563

■ 0.3956, 0.0247,
0.9753

■ 214.3809, 0.3139,

■ 0.0000, 0.0000,

0.3544

0.0000

260.3183, 0.3138,
0.3527

■ 32.2793, 0.3142,
0.3780

■ 32.2793, 0.3142,
0.3780

■ 30.7949, 0.3146,
0.4084

■ 33.9860, 0.3135,
0.3504

■ 29.5198, 0.3147,
0.4411

■ 35.9194, 0.3126,
0.3258

■ 28.4456, 0.3143,
0.4750

■ 38.0889, 0.3116,
0.3042

■ 27.5621, 0.3133,
0.5084

■ 40.5020, 0.3106,
0.2854

■ 26.8579, 0.3116,
0.5391

■ 43.1660, 0.3095,
0.2689

■ 26.3206, 0.3094,
0.5648

■ 46.0880, 0.3085,
0.2547

■ 25.9359, 0.3067,
0.5836

■ 49.2746, 0.3075,
0.2423

■ 25.6834, 0.3042,
0.5955

■ 52.4196, 0.3102,
0.2356

■ 25.6568, 0.3039,
0.5969

■ 53.9724, 0.3170,
0.2375

Harmonies

Analogous

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



32.2793, 0.3444, 0.3843



32.2793, 0.3142, 0.3780



32.2793, 0.2846, 0.3563

Triad

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



32.2793, 0.3142, 0.3780



32.2793, 0.2605, 0.2826



32.2793, 0.3647, 0.3278

Complementary

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



32.2793, 0.3142, 0.3780



25.9719, 0.3104, 0.2833

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.



32.2793, 0.3401, 0.3036



32.2793, 0.3142, 0.3780



32.2793, 0.2799, 0.2780

Square

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



32.2793, 0.3142, 0.3780



32.2793, 0.2546, 0.2998



32.2793, 0.3088, 0.2857



32.2793, 0.3746, 0.3535

Rectangle

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



32.2793, 0.3142, 0.3780



32.2793, 0.2690, 0.3368



32.2793, 0.3088, 0.2857



32.2793, 0.3578, 0.3193

Sweetspot

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



32.2807, 0.3142, 0.3780



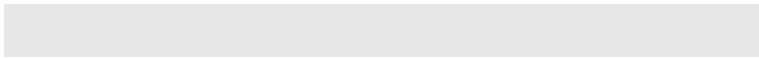
61.6973, 0.3133, 0.3439



33.3318, 0.3411, 0.3685



13.4873, 0.3133, 0.3454



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.



32.2807, 0.3142, 0.3780



56.7581, 0.3144, 0.3892



32.2696, 0.3010, 0.3599



7.9382, 0.3135, 0.3521



20.5001, 0.3043, 0.5966



0.4431, 0.3208, 0.5835

Inverse Universe

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



25.9719, 0.3104, 0.2833



43.5300, 0.3098, 0.2738



26.0094, 0.3266, 0.3000



7.1541, 0.3117, 0.3067



6.4894, 0.2881, 0.1361



0.1487, 0.3008, 0.1431

Previews

White Background



This preview shows how the Yxy color 32.2793, 0.3142, 0.3780 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 32.2793, 0.3142, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

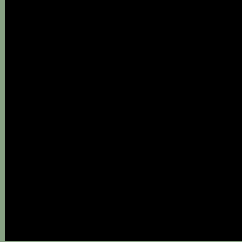
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2793, 0.3142, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 32.2793, 0.3142, 0.3780.



This preview shows how white text looks on a background with the Yxy color 32.2793, 0.3142, 0.3780.

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

32.2793, 0.3142, 0.3780

Protanopia

31.9962, 0.3471, 0.3687

Deuteranopia

32.1311, 0.3567, 0.3494



Tritanopia

32.2668, 0.2882, 0.3105

Trichromacy



Original Color

32.2793, 0.3142, 0.3780

Protanomaly

32.0108, 0.3348, 0.3730

Deuteranomaly

32.0530, 0.3401, 0.3595

Tritanomaly

32.3092, 0.2973, 0.3337

Monochromacy



Original Color

32.2793, 0.3142, 0.3780

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1141, 0.3139, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2793, 0.3142, 0.3780 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(135, 161, 131)` looks like.

```
.text, #text, p{  
    color:rgb(135, 161, 131)  
}
```

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(135, 161, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 161, 131) }
```

Border

The CSS property to change the border of an element to Yxy 32.2793, 0.3142, 0.3780 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(135, 161, 131) }
```

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

```
.border{ border-color:rgb(135, 161, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 161, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 161, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 161, 131);  
box-shadow:4px 4px 4px 4px rgb(135, 161,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2793, 0.3142, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 161, 131) }
```

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

```
.background{ background-color: rgb(135,  
161, 131) }
```

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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