

Converting Colors

$Yxy(33.6115, 0.2920, 0.3736)$

Have a look what the booklet for
Yxy(33.6115, 0.2920, 0.3736)
contains.

Yxy(33.4528, 0.2923, 0.3738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.4528, 0.2923, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	77A78C
RGB	119, 167, 140
RGB Percent	47%, 65%, 55%
CMY	0.5333, 0.3451, 0.4510
CMYK	0.29, 0.00, 0.16, 0.35
HSL	146°, 21%, 56%
HSV	146°, 29%, 65%
XYZ	26.1591, 33.4528, 29.8820
YIQ	149.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

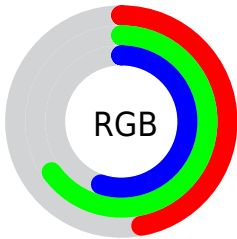
Format	Color
RYB	119, 152, 167
Decimal	7841676
CIELab	64.53, -21.86, 8.87
CIELCh	65, 23.589, 157.921
Yxy	33.4528, 0.2923, 0.3738
Android (android.graphics.Color)	4286031756 (0xFF77A78C)
YUV	149.5700, -4.7180, -26.8099
Hunter-Lab	57.8384, -20.4855, 9.8549

Details

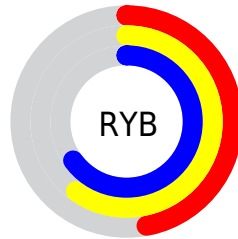
The Yxy color **33.4528, 0.2923, 0.3738** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.4862, 0.3402, 0.2882**, and the grayscale version is **30.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9083, 0.2961, 0.3635**, and **14.2649, 0.2852, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **32.1090, 0.2861, 0.3925**, and if you desaturate by 10%, it is **35.0307, 0.2991, 0.3567**.

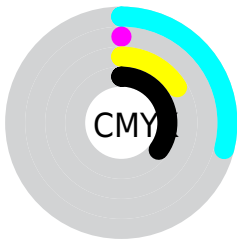
Distribution



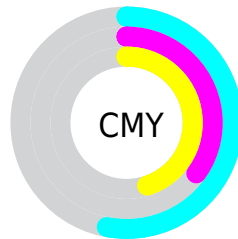
- Red (47%)
- Green (65%)
- Blue (55%)



- Red (47%)
- Yellow (60%)
- Blue (65%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)





- Cyan (53%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4528, 0.2923, 0.3738 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 33.4528, 0.2923, 0.3738 by changing the saturation by 10% instead.


 33.4528, 0.2923,
0.3738

 33.4528, 0.2923,
0.3738


317.6852, 0.3034,
0.3495


 22.4735, 0.2892,
0.3806

 65.0818, 0.2966,
0.3644

 14.2053, 0.2850,
0.3898


 86.5004, 0.2981,
0.3611

 8.2636, 0.2789,
0.4030


 112.1675, 0.2994,
0.3583

 4.2641, 0.2695,
0.4235

142.4675, 0.3004,
0.3560

 1.8223, 0.2531,
0.4593

177.7849, 0.3013,
0.3540

 0.5010, 0.0000,
1.0000

218.5041, 0.3021,

 0.0000, 0.0000,

0.3523

0.0000

265.0094, 0.3028,
0.3508

■ 33.4528, 0.2923,
0.3738

■ 33.4528, 0.2923,
0.3738

■ 32.1090, 0.2861,
0.3925

■ 35.0307, 0.2991,
0.3567

■ 30.9836, 0.2808,
0.4127

■ 36.8493, 0.3063,
0.3412

■ 30.0657, 0.2767,
0.4338


■ 38.9197, 0.3136,
0.3274

■ 29.3414, 0.2742,
0.4556

■ 41.2515, 0.3209,
0.3151


■ 28.7952, 0.2735,
0.4772


■ 43.8536, 0.3281,
0.3043

 28.4091, 0.2747,
0.4981


 46.7343, 0.3350,
0.2948

 28.1495, 0.2774,
0.5176

 49.9019, 0.3416,
0.2865

 28.1201, 0.2778,
0.5200

 53.3641, 0.3479,
0.2793

 54.3132, 0.3417,
0.2706

Harmonies

Analogous

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



33.4528, 0.3288, 0.3932



33.4528, 0.2923, 0.3738



33.4528, 0.2625, 0.3403

Triad

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



33.4528, 0.2923, 0.3738



33.4528, 0.2632, 0.2693



33.4528, 0.3842, 0.3456

Complementary

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



33.4528, 0.2923, 0.3738



23.4862, 0.3402, 0.2882

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.



33.4528, 0.3646, 0.3155



33.4528, 0.2923, 0.3738



33.4528, 0.2934, 0.2730

Square

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



33.4528, 0.2923, 0.3738



33.4528, 0.2465, 0.2803



33.4528, 0.3306, 0.2896



33.4528, 0.3830, 0.3736

Rectangle

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



33.4528, 0.2923, 0.3738



33.4528, 0.2498, 0.3165



33.4528, 0.3306, 0.2896



33.4528, 0.3798, 0.3354

Sweetspot

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



33.4542, 0.2923, 0.3738



65.8450, 0.3060, 0.3418



35.1008, 0.3344, 0.4042



14.6268, 0.3050, 0.3439



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.4542, 0.2923, 0.3738



58.4470, 0.2886, 0.3846



34.2345, 0.2742, 0.3340



8.4602, 0.3059, 0.3420



21.5260, 0.2773, 0.5182



0.5341, 0.2587, 0.4514

Inverse Universe

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



23.4862, 0.3402, 0.2882



37.8583, 0.3477, 0.2796



22.8203, 0.3702, 0.3242



7.6104, 0.3201, 0.3164



6.9151, 0.4662, 0.2342



0.1783, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 33.4528, 0.2923, 0.3738 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 33.4528, 0.2923, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

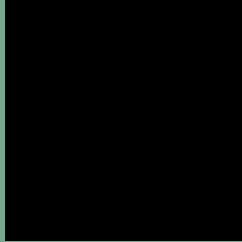
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4528, 0.2923, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 33.4528, 0.2923, 0.3738.



This preview shows how white text looks on a background with the Yxy color 33.4528, 0.2923, 0.3738.

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

33.4528, 0.2923, 0.3738

Protanopia

33.0564, 0.3418, 0.3606

Deuteranopia

33.0260, 0.3468, 0.3392



Tritanopia

33.3714, 0.2707, 0.3087

Trichromacy



Original Color

33.4528, 0.2923, 0.3738

Protanomaly

32.8697, 0.3227, 0.3651

Deuteranomaly

32.6985, 0.3247, 0.3505

Tritanomaly

33.3705, 0.2783, 0.3321

Monochromacy



Original Color

33.4528, 0.2923, 0.3738

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3412, 0.3052, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4528, 0.2923, 0.3738 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(119, 167, 140)` looks like.

```
.text, #text, p{  
    color:rgb(119, 167, 140)  
}
```

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(119, 167, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 167, 140) }
```

Border

The CSS property to change the border of an element to Yxy 33.4528, 0.2923, 0.3738 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(119, 167, 140) }
```

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

```
.border{ border-color:rgb(119, 167, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 167, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 167, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 167, 140);  
box-shadow:4px 4px 4px 4px rgb(119, 167,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4528, 0.2923, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 167, 140) }
```

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

```
.background{ background-color: rgb(119,  
167, 140) }
```

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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