

Converting Colors

XYZ(30.8237, 35.3238, 42.7633)

Have a look what the booklet for
XYZ(30.8237, 35.3238, 42.7633)
contains.

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Color

**XYZ(30.7893, 35.2879,
42.7246)**

Conversions

Conversions Part 1

Format	Color
Hex	87A6A9
RGB	135, 166, 169
RGB Percent	53%, 65%, 66%
CMY	0.4706, 0.3490, 0.3373
CMYK	0.20, 0.02, 0.00, 0.34
HSL	185°, 17%, 60%
HSV	185°, 20%, 66%
XYZ	30.7893, 35.2879, 42.7246
YIQ	157.0730, -19.4390, -5.6390

Conversions

Conversions Part 2

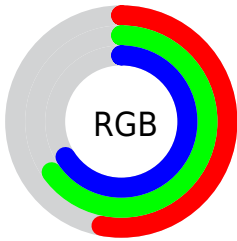
Format	Color
RYB	135, 151, 169
Decimal	8890025
CIELab	65.97, -9.94, -5.09
CIELCh	66, 11.164, 207.122
Yxy	35.2879, 0.2830, 0.3243
Android (android.graphics.Color)	4287080105 (0xFF87A6A9)
YUV	157.0730, 5.8800, -19.3580
Hunter-Lab	59.4036, -11.4386, -1.0603

Details

The XYZ color **30.7893, 35.2879, 42.7246** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8241, 28.3612, 26.8246**, and the grayscale version is **32.0621, 33.7318, 36.7340**.

A 20% lighter version of the original color is **60.2973, 67.9135, 80.4516**, and **12.8844, 15.2038, 19.0852** is the 20% darker color. If you saturate the color by 10%, you get **28.0141, 33.4583, 42.5183**, and if you desaturate by 10%, it is **34.0014, 37.3492, 42.9537**.

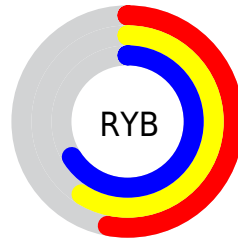
Distribution



Red (53%)

Green (65%)

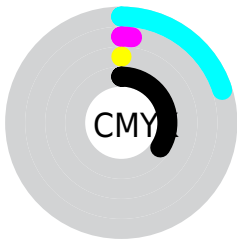
Blue (66%)



Red (53%)

Yellow (59%)

Blue (66%)

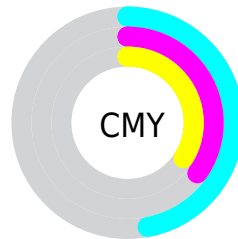


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (47%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7893, 35.2879, 42.7246 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 XYZ color 30.7893, 35.2879, 42.7246 by changing the saturation by 10% instead.

■ 30.7893, 35.2879,
42.7246

■ 30.7893, 35.2879,
42.7246

297.4107,
325.8373, 373.3658

■ 20.5895, 23.8847,
29.3393

■ 60.2863, 67.9315,
80.5770

■ 12.9350, 15.2481,
19.0899

■ 80.3142, 89.9408,
105.8812

■ 7.4605, 8.9937,
11.5578

■ 104.3488,
116.2542, 135.9954

■ 3.8006, 4.7371,
6.3244

132.7556,
147.2561, 171.3382

■ 1.5900, 2.0938,
2.9714

165.8998,
183.3310, 212.3281

■ 0.3859, 0.6612,
1.0800

204.1468,

■ 0.0000, 0.0000,

224.8633, 259.3836

0.0000

247.8620,
272.2372, 312.9234

■ 30.7893, 35.2879,
42.7246

■ 30.7893, 35.2879,
42.7246

■ 28.0141, 33.4583,
42.5183

■ 34.0014, 37.3492,
42.9537

■ 25.6523, 31.8456,
42.3315

■ 37.6662, 39.6476,
43.2042

■ 23.6830, 30.4399,
42.1640

■ 41.8026, 42.1938,
43.4777

■ 22.0822, 29.2287,
42.0145

■ 46.4275, 44.9966,
43.7749

■ 20.8232, 28.1984,
41.8820

■ 51.5570, 48.0642,
44.0967

■ 19.8758, 27.3332,
41.7650

■ 57.2064, 51.4045,
44.4437

■ 19.2043, 26.6149,
41.6617

■ 63.3903, 55.0252,
44.8166

■ 18.7337, 26.0090,
41.5696

■ 64.3068, 55.9352,
44.9439

■ 64.6048, 56.5311,
45.0432

Harmonies

Analogous

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



30.4640, 35.2879, 37.9671



30.7893, 35.2879, 42.7246



31.8437, 35.2879, 46.5876

Triad

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



30.7893, 35.2879, 42.7246



36.2815, 35.2879, 43.5802



33.7000, 35.2879, 30.0275

Complementary

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



30.7893, 35.2879, 42.7246



29.8241, 28.3612, 26.8246

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.



35.2957, 35.2879, 31.2720



30.7893, 35.2879, 42.7246



36.8165, 35.2879, 38.8815

Square

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



30.7893, 35.2879, 42.7246



35.0104, 35.2879, 47.1094



36.4500, 35.2879, 34.4194



32.1115, 35.2879, 30.8751

Rectangle

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



30.7893, 35.2879, 42.7246



32.8365, 35.2879, 47.9995



36.4500, 35.2879, 34.4194



34.2537, 35.2879, 30.2125

Sweetspot

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



30.7903, 35.2893, 42.7254



63.4265, 68.4878, 77.1016



28.7556, 35.3576, 29.2913



13.7378, 14.8730, 16.7989



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.7903, 35.2893, 42.7254



52.9058, 61.7373, 76.3531



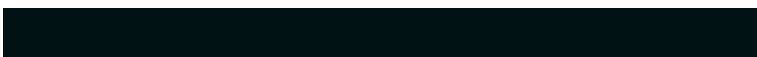
27.9275, 29.5638, 41.7711



7.6902, 8.4173, 9.6377



13.9818, 19.4238, 30.9877



0.3560, 0.5043, 0.7592

Inverse Universe

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



31.9099, 28.5169, 39.9005



55.2837, 47.5114, 70.3176



32.4296, 33.5722, 27.6931



7.8130, 7.6550, 9.3322



16.5580, 8.0319, 23.5475



0.4109, 0.1986, 0.6151

Previews

White Background



This preview shows how the XYZ color 30.7893, 35.2879, 42.7246 looks on a white background.

Color Contrast Check

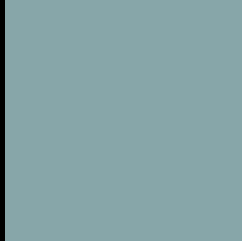
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.7893, 35.2879, 42.7246 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

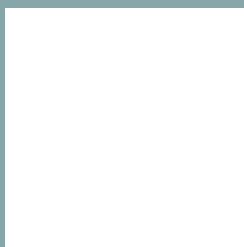
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7893, 35.2879, 42.7246

Background



This preview shows how black text looks on a background with the XYZ color 30.7893, 35.2879, 42.7246.



This preview shows how white text looks on a background with the XYZ color 30.7893, 35.2879,

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

30.7893, 35.2879, 42.7246

Protanopia

33.8876, 35.0900, 40.5843

Deuteranopia

35.6496, 34.9290, 43.3911



Tritanopia

31.8075, 35.4430, 47.2842

Trichromacy



Original Color

30.7893, 35.2879, 42.7246

Protanomaly

32.7522, 35.2692, 41.1578

Deuteranomaly

33.5585, 34.8667, 42.9914

Tritanomaly

31.3463, 35.2397, 45.7072

Monochromacy



Original Color

30.7893, 35.2879, 42.7246

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3983, 34.1044, 38.6462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7893, 35.2879, 42.7246 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, 166, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 169)  
}
```

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, 166, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 169) }
```

Border

The CSS property to change the border of an element to XYZ 30.7893, 35.2879, 42.7246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

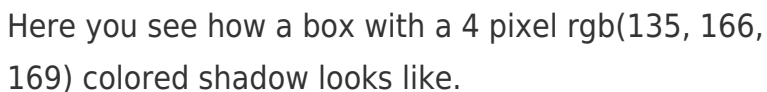
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 166, 169) }
```


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

```
.border{ border-color:rgb(135, 166, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 166, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 166, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 166, 169); box-shadow:4px 4px 4px 4px rgb(135, 166, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7893, 35.2879, 42.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 169) }
```

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

```
.background{ background-color: rgb(135,  
166, 169) }
```

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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