

Converting Colors

XYZ(9.7095, 11.8869, 32.1599)

Have a look what the booklet for
XYZ(9.7095, 11.8869, 32.1599)
contains.

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Color

**XYZ(10.8843, 12.4362,
32.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	00699A
RGB	0, 105, 154
RGB Percent	0%, 41%, 60%
CMY	0.9999, 0.5882, 0.3961
CMYK	1.00, 0.32, 0.00, 0.40
HSL	199°, 100%, 30%
HSV	199°, 100%, 60%
XYZ	10.8843, 12.4362, 32.3986
YIQ	79.1910, -78.3090, -7.0210

Conversions

Conversions Part 2

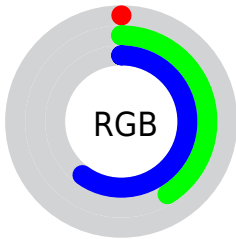
Format	Color
RYB	0, 62, 154
Decimal	27034
CIELab	41.90, -6.77, -33.69
CIELCh	42, 34.365, 258.640
Yxy	12.4362, 0.1953, 0.2232
Android (android.graphics.Color)	4278217114 (0xFF00699A)
YUV	79.1910, 36.8808, -69.4505
Hunter-Lab	35.2650, -6.6209, -29.7853

Details

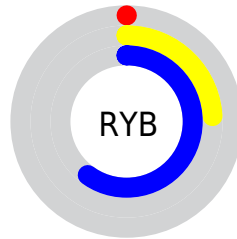
The XYZ color **10.8843, 12.4362, 32.3986** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.4261, 9.0689, 0.9909**, and the grayscale version is **7.4123, 7.7983, 8.4923**.

A 20% lighter version of the original color is **27.1434, 30.3117, 64.7417**, and **3.9612, 4.0054, 13.3963** is the 20% darker color. If you saturate the color by 10%, you get **10.8836, 12.4347, 32.3986**, and if you desaturate by 10%, it is **11.6021, 13.5689, 32.5797**.

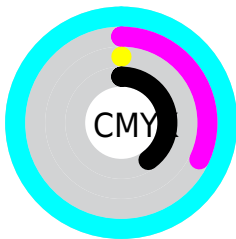
Distribution



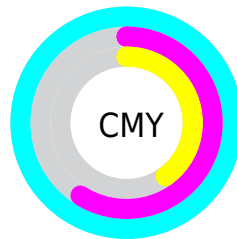
- Red (0%)
- Green (41%)
- Blue (60%)



- Red (0%)
- Yellow (24%)
- Blue (60%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8843, 12.4362, 32.3986 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 10.8843, 12.4362, 32.3986 by changing the saturation by 10% instead.

■ 10.8843, 12.4362,
32.3986

■ 10.8843, 12.4362,
32.3986

190.7968,
207.2720, 327.4795

■ 6.0558, 7.0415,
21.3988

■ 27.0809, 30.2871,
64.5406

■ 2.9200, 3.4881,
13.2217

■ 39.1797, 43.5121,
86.5199

■ 1.1116, 1.3915,
7.4489

■ 54.4326, 60.1159,
112.9961

■ 0.0348, 0.2105,
3.6617

■ 73.2050, 80.4830,
144.3877

■ 0.0000, 0.0000,
1.4417

■ 95.8623, 104.9978,
181.1133

■ 0.0000, 0.0000,
0.1739

■ 122.7698,

■ 0.0000, 0.0000,

134.0446, 223.5915

0.0000

154.2928,
168.0079, 272.2407

■ 10.8843, 12.4362,
32.3986

■ 10.8843, 12.4362,
32.3986

■ 10.8836, 12.4347,
32.3986

■ 11.6021, 13.5689,
32.5797

■ 12.5009, 14.8382,
32.7773

■ 13.6506, 16.2809,
32.9952

■ 15.0796, 17.9124,
33.2348

■ 16.8124, 19.7459,
33.4973

■ 18.8704, 21.7930,
33.7840

■ 21.2731, 24.0645,
34.0958

■ 24.0383, 26.5702,
34.4337

■ 27.1826, 29.3191,
34.7986

Harmonies

Analogous

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



8.8784, 12.4362, 26.9824



10.8843, 12.4362, 32.3986



13.4506, 12.4362, 31.5834

Triad

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



10.8843, 12.4362, 32.3986



17.0768, 12.4362, 9.5451



8.5211, 12.4362, 6.2430

Complementary

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



10.8843, 12.4362, 32.3986



14.4261, 9.0689, 0.9909

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.



10.3273, 12.4362, 4.1426



10.8843, 12.4362, 32.3986



15.3492, 12.4362, 5.5233

Square

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



10.8843, 12.4362, 32.3986



17.2827, 12.4362, 16.4864



12.8083, 12.4362, 3.9374



7.6503, 12.4362, 10.9690

Rectangle

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



10.8843, 12.4362, 32.3986



15.1388, 12.4362, 27.6638



12.8083, 12.4362, 3.9374



9.0259, 12.4362, 5.2919

Sweetspot

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



10.8848, 12.4366, 32.3989



38.3552, 43.4474, 61.9009



12.1059, 23.3315, 6.7474



8.2796, 9.4582, 13.9596



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



10.8848, 12.4366, 32.3989



19.5900, 22.2270, 58.7940



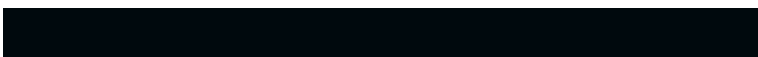
6.2544, 3.1759, 30.8555



6.2187, 6.6948, 7.8934



8.9002, 10.1970, 26.4068



0.1654, 0.2171, 0.4056

Inverse Universe

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



15.8767, 7.8906, 14.0511



28.7485, 14.2959, 25.0399



20.7584, 21.7336, 3.1017



6.3775, 6.2902, 7.3681



12.9512, 6.4347, 11.5337



0.2099, 0.1027, 0.2584

Previews

White Background



This preview shows how the XYZ color 10.8843, 12.4362, 32.3986 looks on a white 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

Black Background



This preview shows how the XYZ color 10.8843, 12.4362, 32.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

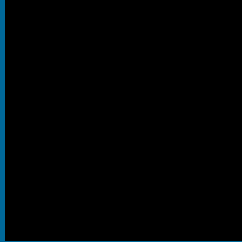
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8843, 12.4362, 32.3986

Background



This preview shows how black text looks on a background with the XYZ color 10.8843, 12.4362, 32.3986.



This preview shows how white text looks on a background with the XYZ color 10.8843, 12.4362,

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

10.8843, 12.4362, 32.3986

Protanopia

13.0208, 12.4498, 29.3205

Deuteranopia

12.8465, 12.5529, 33.1984



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

10.8843, 12.4362, 32.3986

Protanomaly

11.4784, 12.0464, 30.5744

Deuteranomaly

11.5663, 12.1875, 32.7532

Tritanomaly

9.4593, 12.3638, 23.3606

Monochromacy



Original Color

10.8843, 12.4362, 32.3986

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.4066, 8.6982, 14.9242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8843, 12.4362, 32.3986 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(0, 105, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 154)  
}
```

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(0, 105, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 154) }
```

Border

The CSS property to change the border of an element to XYZ 10.8843, 12.4362, 32.3986 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(0, 105, 154) }
```


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

```
.border{ border-color:rgb(0, 105, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8843, 12.4362, 32.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 154) }
```

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

```
.background{ background-color: rgb(0, 105,  
154) }
```

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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