

Converting Colors

XYZ(11.7398, 13.9386, 32.6698)

Have a look what the booklet for
XYZ(11.7398, 13.9386, 32.6698)
contains.

XYZ(11.7649, 13.9926, 32.6526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7649, 13.9926,
32.6526)**

Conversions

Conversions Part 1

Format	Color
Hex	0B709A
RGB	11, 112, 154
RGB Percent	4%, 44%, 60%
CMY	0.9568, 0.5608, 0.3961
CMYK	0.93, 0.27, 0.00, 0.40
HSL	198°, 87%, 32%
HSV	198°, 93%, 60%
XYZ	11.7649, 13.9926, 32.6526
YIQ	86.5890, -73.6780, -8.3500

Conversions

Conversions Part 2

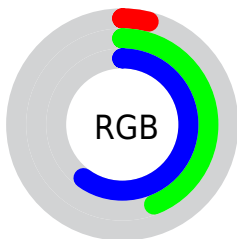
Format	Color
RYB	11, 70, 154
Decimal	749722
CIELab	44.22, -10.40, -30.04
CIElCh	44, 31.786, 250.911
Yxy	13.9926, 0.2014, 0.2396
Android (android.graphics.Color)	4278939802 (0xFF0B709A)
YUV	86.5890, 33.2336, -66.2916
Hunter-Lab	37.4067, -9.3211, -25.5700

Details

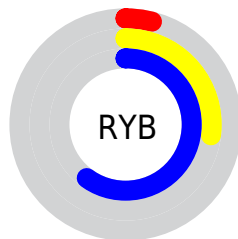
The XYZ color **11.7649, 13.9926, 32.6526** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.6611, 9.4423, 1.3671**, and the grayscale version is **8.9149, 9.3791, 10.2139**.

A 20% lighter version of the original color is **28.8086, 33.2291, 65.2171**, and **4.2816, 4.6461, 13.5031** is the 20% darker color. If you saturate the color by 10%, you get **11.2763, 13.2201, 32.5295**, and if you desaturate by 10%, it is **12.5757, 15.1705, 32.8375**.

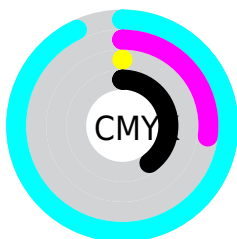
Distribution



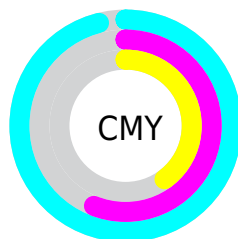
- Red (4%)
- Green (44%)
- Blue (60%)



- Red (4%)
- Yellow (27%)
- Blue (60%)



- Cyan (93%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)



- Cyan (96%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7649, 13.9926, 32.6526 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 11.7649, 13.9926, 32.6526 by changing the saturation by 10% instead.

■ 11.7649, 13.9926,
32.6526

■ 11.7649, 13.9926,
32.6526

■ 196.6445,
217.1848, 328.6653

■ 6.6549, 8.1155,
21.5915

■ 28.6868, 33.0759,
64.9425

■ 3.2916, 4.1690,
13.3616

■ 41.2293, 47.0509,
87.0084

■ 1.3098, 1.7685,
7.5444

■ 56.9801, 64.4940,
113.5797

■ 0.1905, 0.4674,
3.7213

■ 76.3044, 85.7896,
145.0749

■ 0.0000, 0.0000,
1.4737

■ 99.5676, 111.3221,
181.9125

■ 0.0000, 0.0000,
0.1982

■ 127.1352,

■ 0.0000, 0.0000,

141.4758, 224.5110

0.0000

159.3723,
176.6353, 273.2891

■ 11.7649, 13.9926,
32.6526

■ 11.7649, 13.9926,
32.6526

■ 11.2763, 13.2201,
32.5295

■ 12.5757, 15.1705,
32.8375

■ 13.6236, 16.5082,
33.0405

■ 14.9391, 18.0221,
33.2634

■ 16.5472, 19.7257,
33.5074

■ 18.4703, 21.6309,
33.7738

■ 20.7281, 23.7484,
34.0635

■ 23.3389, 26.0882,
34.3776

■ 26.3195, 28.6593,
34.7167

■ 29.6854, 31.4703,
35.0819

Harmonies

Analogous

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



9.9385, 13.9926, 26.3588



11.7649, 13.9926, 32.6526



14.2459, 13.9926, 33.5186

Triad

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



11.7649, 13.9926, 32.6526



18.6968, 13.9926, 12.7375



10.3497, 13.9926, 6.9190

Complementary

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



11.7649, 13.9926, 32.6526



14.6611, 9.4423, 1.3671

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.



12.3960, 13.9926, 5.2125



11.7649, 13.9926, 32.6526



17.3440, 13.9926, 7.7865

Square

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



11.7649, 13.9926, 32.6526



18.4715, 13.9926, 20.2849



14.9622, 13.9926, 5.4692



9.1962, 13.9926, 11.1025

Rectangle

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



11.7649, 13.9926, 32.6526



15.9706, 13.9926, 30.6695



14.9622, 13.9926, 5.4692



10.9443, 13.9926, 6.1077

Sweetspot

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



11.7654, 13.9931, 32.6530



39.6046, 44.9102, 62.1174



12.3033, 23.4264, 7.0671



8.5460, 9.7859, 14.0088



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.



11.7654, 13.9931, 32.6530



20.3097, 23.6664, 59.0339



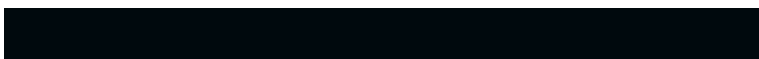
6.7990, 4.0603, 30.9975



6.2313, 6.7199, 7.8976



9.2189, 10.8345, 26.5131



0.1688, 0.2239, 0.4067

Inverse Universe

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



16.3712, 8.2798, 16.0650



29.1118, 14.4413, 26.9529



20.4727, 21.0656, 3.3043



6.3839, 6.2927, 7.4015



13.1120, 6.4991, 12.3809



0.2117, 0.1034, 0.2674

Previews

White Background



This preview shows how the XYZ color 11.7649, 13.9926, 32.6526 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 11.7649, 13.9926, 32.6526 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 11.7649, 13.9926, 32.6526

Background



This preview shows how black text looks on a background with the XYZ color 11.7649, 13.9926, 32.6526.

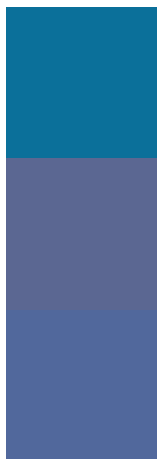


This preview shows how white text looks on a background with the XYZ color 11.7649, 13.9926,

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

11.7649, 13.9926, 32.6526

Protanopia

14.3529, 14.0000, 29.1399

Deuteranopia

14.3444, 14.0503, 33.4084



Tritanopia

9.9471, 13.9715, 21.5745

Trichromacy



Original Color

11.7649, 13.9926, 32.6526

Protanomaly

12.5655, 13.5021, 30.3777

Deuteranomaly

12.8050, 13.7227, 32.9842

Tritanomaly

10.6247, 14.0649, 25.4474

Monochromacy



Original Color

11.7649, 13.9926, 32.6526

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.8557, 10.4432, 16.5879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7649, 13.9926, 32.6526 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(11, 112, 154)` looks like.

```
.text, #text, p{  
    color:rgb(11, 112, 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(11, 112, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 112, 154) }
```

Border

The CSS property to change the border of an element to XYZ 11.7649, 13.9926, 32.6526 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(11, 112, 154) }
```


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

```
.border{ border-color:rgb(11, 112, 154) }
```

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

Here you see how a box with a 4 pixel rgb(11, 112, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 112, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 112, 154);  
box-shadow:4px 4px 4px 4px rgb(11, 112,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7649, 13.9926, 32.6526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 112, 154) }
```

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

```
.background{ background-color: rgb(11, 112,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor