

Converting Colors

XYZ(7.4278, 12.0837, 32.8001)

Have a look what the booklet for
XYZ(7.4278, 12.0837, 32.8001)
contains.

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Color

**XYZ(11.9337, 14.4012,
33.1611)**

Conversions

Conversions Part 1

Format	Color
Hex	00729B
RGB	0, 114, 155
RGB Percent	0%, 45%, 61%
CMY	0.9999, 0.5529, 0.3922
CMYK	1.00, 0.26, 0.00, 0.39
HSL	196°, 100%, 30%
HSV	196°, 100%, 61%
XYZ	11.9337, 14.4012, 33.1611
YIQ	84.5880, -81.1050, -11.4170

Conversions

Conversions Part 2

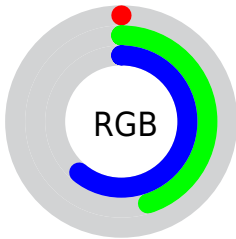
Format	Color
RYB	0, 66, 155
Decimal	29339
CIELab	44.80, -11.71, -29.73
CIELCh	45, 31.952, 248.498
Yxy	14.4012, 0.2006, 0.2421
Android (android.graphics.Color)	4278219419 (0xFF00729B)
YUV	84.5880, 34.7131, -74.1837
Hunter-Lab	37.9489, -10.2781, -25.2455

Details

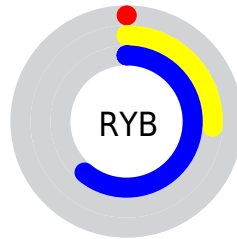
The XYZ color **11.9337, 14.4012, 33.1611** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.3115, 8.5561, 0.8979**, and the grayscale version is **8.4924, 8.9347, 9.7299**.

A 20% lighter version of the original color is **29.1068, 33.9040, 65.9828**, and **4.4469, 4.8959, 13.8073** is the 20% darker color. If you saturate the color by 10%, you get **11.9332, 14.4002, 33.1612**, and if you desaturate by 10%, it is **12.6125, 15.4535, 33.3287**.

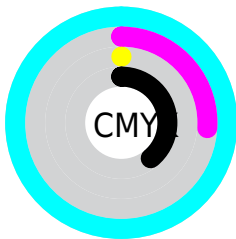
Distribution



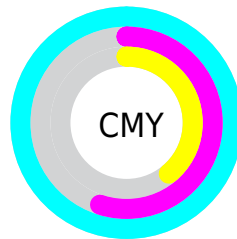
- Red (0%)
- Green (45%)
- Blue (61%)



- Red (0%)
- Yellow (26%)
- Blue (61%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9337, 14.4012, 33.1611 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 11.9337, 14.4012, 33.1611 by changing the saturation by 10% instead.

■ 11.9337, 14.4012,
33.1611

■ 11.9337, 14.4012,
33.1611

197.7448,
219.7126, 331.0293

■ 6.7704, 8.4002,
21.9778

■ 28.9922, 33.7992,
65.7459

■ 3.3640, 4.3521,
13.6424

■ 41.6181, 47.9651,
87.9844

■ 1.3490, 1.8724,
7.7365

■ 57.4623, 65.6213,
114.7450

■ 0.2195, 0.5317,
3.8414

■ 76.8902, 87.1524,
146.4464

■ 0.0000, 0.0000,
1.5388

■ 100.2670,
112.9427, 183.5069

■ 0.0000, 0.0000,
0.2466

■ 127.9581,

■ 0.0000, 0.0000,

143.3765, 226.3452

0.0000

160.3289,
178.8384, 275.3798

■ 11.9337, 14.4012,
33.1611

■ 11.9337, 14.4012,
33.1611

■ 11.9332, 14.4002,
33.1612

■ 12.6125, 15.4535,
33.3287

■ 13.4667, 16.6271,
33.5102

■ 14.5666, 17.9590,
33.7094

■ 15.9409, 19.4643,
33.9275

■ 17.6144, 21.1561,
34.1658

■ 19.6085, 23.0459,
34.4255

■ 21.9429, 25.1442,
34.7075

■ 24.6356, 27.4605,
35.0126

■ 27.7031, 30.0038,
35.3419

Harmonies

Analogous

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



10.1317, 14.4012, 26.4061



11.9337, 14.4012, 33.1611



14.4412, 14.4012, 34.5651

Triad

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



11.9337, 14.4012, 33.1611



19.2603, 14.4012, 13.6556



10.8020, 14.4012, 6.9231

Complementary

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



11.9337, 14.4012, 33.1611



14.3115, 8.5561, 0.8979

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.



12.9613, 14.4012, 5.3451



11.9337, 14.4012, 33.1611



17.9918, 14.4012, 8.3416

Square

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



11.9337, 14.4012, 33.1611



18.8942, 14.4012, 21.5447



15.6061, 14.4012, 5.7658



9.5383, 14.4012, 10.9904

Rectangle

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



11.9337, 14.4012, 33.1611



16.2183, 14.4012, 31.9576



15.6061, 14.4012, 5.7658



11.4355, 14.4012, 6.1537

Sweetspot

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



11.9342, 14.4017, 33.1615



39.0285, 44.7938, 62.1253



12.0841, 23.5880, 5.8154



8.4488, 9.7966, 14.0160



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.



11.9342, 14.4017, 33.1615



21.2101, 25.4672, 59.3341



6.6346, 3.8025, 31.3949



6.2463, 6.7499, 7.9026



9.6170, 11.6306, 26.6458



0.1728, 0.2320, 0.4080

Inverse Universe

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



16.5553, 8.1841, 16.6271



29.5662, 14.6230, 29.3462



19.7928, 19.5186, 2.7249



6.3914, 6.2957, 7.4413



13.3130, 6.5794, 13.4389



0.2137, 0.1042, 0.2781

Previews

White Background



This preview shows how the XYZ color 11.9337, 14.4012, 33.1611 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 11.9337, 14.4012, 33.1611 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 11.9337, 14.4012, 33.1611

Background



This preview shows how black text looks on a background with the XYZ color 11.9337, 14.4012, 33.1611.

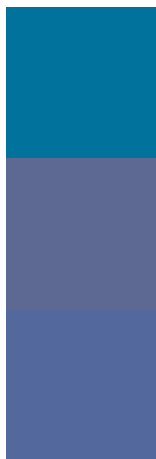


This preview shows how white text looks on a background with the XYZ color 11.9337, 14.4012,

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

11.9337, 14.4012, 33.1611

Protanopia

14.7310, 14.3344, 29.5942

Deuteranopia

14.7047, 14.3765, 33.8982



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

11.9337, 14.4012, 33.1611

Protanomaly

12.6712, 13.8569, 30.8610

Deuteranomaly

12.8315, 13.8823, 33.4557

Tritanomaly

10.8766, 14.5287, 25.8980

Monochromacy



Original Color

11.9337, 14.4012, 33.1611

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.5187, 10.2758, 16.2863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9337, 14.4012, 33.1611 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, 114, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 155)  
}
```

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, 114, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 155) }
```

Border

The CSS property to change the border of an element to XYZ 11.9337, 14.4012, 33.1611 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, 114, 155) }
```


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

```
.border{ border-color:rgb(0, 114, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9337, 14.4012, 33.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 155) }
```

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

```
.background{ background-color: rgb(0, 114,  
155) }
```

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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