

Converting Colors

XYZ(14.8144, 19.1939, 37.1063)

Have a look what the booklet for
XYZ(14.8144, 19.1939, 37.1063)
contains.

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Color

**XYZ(14.7729, 19.1112,
37.0926)**

Conversions

Conversions Part 1

Format	Color
Hex	0084A2
RGB	0, 132, 162
RGB Percent	0%, 52%, 64%
CMY	0.9999, 0.4823, 0.3647
CMYK	1.00, 0.19, 0.00, 0.36
HSL	191°, 100%, 32%
HSV	191°, 100%, 64%
XYZ	14.7729, 19.1112, 37.0926
YIQ	95.9520, -88.3020, -18.6540

Conversions

Conversions Part 2

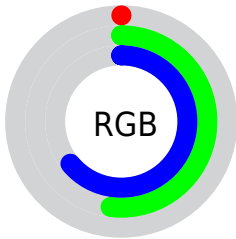
Format	Color
RYB	0, 73, 162
Decimal	33954
CIELab	50.82, -19.17, -24.48
CIElCh	51, 31.095, 231.930
Yxy	19.1112, 0.2081, 0.2693
Android (android.graphics.Color)	4278224034 (0xFF0084A2)
YUV	95.9520, 32.5617, -84.1499
Hunter-Lab	43.7164, -16.1838, -19.7051

Details

The XYZ color **14.7729, 19.1112, 37.0926** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.3657, 8.6116, 0.8532**, and the grayscale version is **11.0480, 11.6233, 12.6578**.

A 20% lighter version of the original color is **33.9932, 41.8315, 71.9283**, and **5.8318, 7.1604, 15.8266** is the 20% darker color. If you saturate the color by 10%, you get **14.7724, 19.1101, 37.0928**, and if you desaturate by 10%, it is **15.4036, 20.0494, 37.2408**.

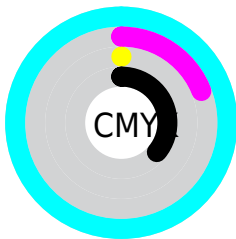
Distribution



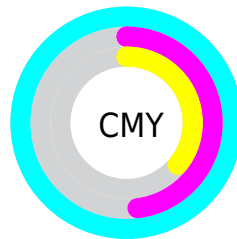
- Red (0%)
- Green (52%)
- Blue (64%)



- Red (0%)
- Yellow (29%)
- Blue (64%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7729, 19.1112, 37.0926 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 14.7729, 19.1112, 37.0926 by changing the saturation by 10% instead.

■ 14.7729, 19.1112,
37.0926

■ 14.7729, 19.1112,
37.0926

■ 215.4032,
247.0620, 348.8920

■ 8.7454, 11.7507,
24.9828

■ 34.0292, 41.9219,
71.9031

■ 4.6313, 6.5741,
15.8454

■ 47.9888, 58.1409,
95.4409

■ 2.0651, 3.1972,
9.2616

■ 65.3231, 78.0814,
123.6252

■ 0.6701, 1.2355,
4.8131

■ 86.3975, 102.1280,
156.8744

■ 0.0000, 0.0905,
2.0812

■ 111.5774,
130.6649, 195.6072

■ 0.0000, 0.0000,
0.6045

■ 141.2280,

■ 0.0000, 0.0000,

164.0766, 240.2420

0.0000

175.7149,
202.7475, 291.1974

■ 14.7729, 19.1112,
37.0926

■ 14.7729, 19.1112,
37.0926

■ 14.7724, 19.1101,
37.0928

■ 15.4036, 20.0494,
37.2408

■ 16.2197, 21.1004,
37.4007

■ 17.2959, 22.3032,
37.5761

■ 18.6643, 23.6744,
37.7687

■ 20.3521, 25.2281,
37.9796

■ 22.3832, 26.9770,
38.2101

■ 24.7795, 28.9322,
38.4612

■ 27.5606, 31.1042,
38.7339

■ 30.7451, 33.5026,
39.0290

Harmonies

Analogous

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



13.2352, 19.1112, 27.7576



14.7729, 19.1112, 37.0926



17.3512, 19.1112, 42.3475

Triad

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



14.7729, 19.1112, 37.0926



24.6348, 19.1112, 23.2650



16.0547, 19.1112, 8.7652

Complementary

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



14.7729, 19.1112, 37.0926



15.3657, 8.6116, 0.8532

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.



19.0031, 19.1112, 8.1870



14.7729, 19.1112, 37.0926



24.1873, 19.1112, 15.1288

Square

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



14.7729, 19.1112, 37.0926



23.2013, 19.1112, 33.0240



22.0394, 19.1112, 10.1627



13.9153, 19.1112, 12.0522

Rectangle

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



14.7729, 19.1112, 37.0926



19.4082, 19.1112, 42.0318



22.0394, 19.1112, 10.1627



16.9753, 19.1112, 8.2933

Sweetspot

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



14.7735, 19.1119, 37.0931



44.7091, 52.3037, 69.7953



13.1517, 25.9335, 5.5225



9.6344, 11.4187, 15.6338



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.7735, 19.1119, 37.0931



26.6778, 34.4122, 67.2923



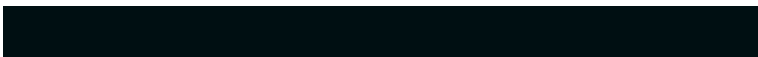
7.7200, 5.0047, 34.7419



7.1641, 7.7872, 9.0286



11.6670, 15.1133, 29.2320



0.2724, 0.3721, 0.6233

Inverse Universe

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



19.0658, 9.3481, 22.6299



34.5402, 16.9409, 40.7059



20.5535, 18.9873, 2.5825



7.3078, 7.1796, 8.6072



15.0344, 7.3698, 17.9037



0.3297, 0.1604, 0.4487

Previews

White Background



This preview shows how the XYZ color 14.7729, 19.1112, 37.0926 looks on a white 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

Black Background



This preview shows how the XYZ color 14.7729, 19.1112, 37.0926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

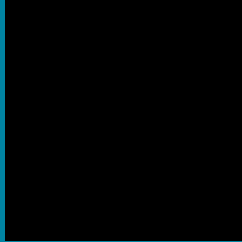
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7729, 19.1112, 37.0926

Background



This preview shows how black text looks on a background with the XYZ color 14.7729, 19.1112, 37.0926.

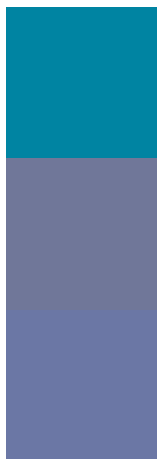


This preview shows how white text looks on a background with the XYZ color 14.7729, 19.1112,

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

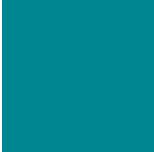
14.7729, 19.1112, 37.0926

Protanopia

19.0287, 18.9383, 32.7895

Deuteranopia

19.4518, 19.0361, 38.2464



Tritanopia

13.6359, 19.0945, 29.7550

Trichromacy



Original Color

14.7729, 19.1112, 37.0926

Protanomaly

15.8069, 18.1552, 34.1237

Deuteranomaly

16.2924, 18.3246, 37.8003

Tritanomaly

13.9734, 19.0094, 32.2109

Monochromacy



Original Color

14.7729, 19.1112, 37.0926

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7833, 13.2854, 19.7653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7729, 19.1112, 37.0926 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, 132, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 162)  
}
```

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, 132, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.7729, 19.1112, 37.0926 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, 132, 162) }
```


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

```
.border{ border-color:rgb(0, 132, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7729, 19.1112, 37.0926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 162) }
```

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

```
.background{ background-color: rgb(0, 132,  
162) }
```

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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