

Converting Colors

XYZ(14.5386, 18.4712, 37.5434)

Have a look what the booklet for
XYZ(14.5386, 18.4712, 37.5434)
contains.

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Color

**XYZ(14.4611, 18.3449,
37.4291)**

Conversions

Conversions Part 1

Format	Color
Hex	0081A3
RGB	0, 129, 163
RGB Percent	0%, 51%, 64%
CMY	0.9999, 0.4941, 0.3608
CMYK	1.00, 0.21, 0.00, 0.36
HSL	193°, 100%, 32%
HSV	193°, 100%, 64%
XYZ	14.4611, 18.3449, 37.4291
YIQ	94.3050, -87.7980, -16.7740

Conversions

Conversions Part 2

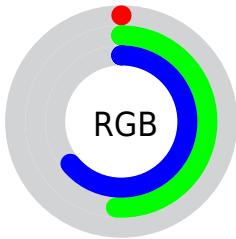
Format	Color
RYB	0, 72, 163
Decimal	33187
CIELab	49.91, -17.18, -26.46
CIELCh	50, 31.548, 237.012
Yxy	18.3449, 0.2059, 0.2612
Android (android.graphics.Color)	4278223267 (0xFF0081A3)
YUV	94.3050, 33.8666, -82.7055
Hunter-Lab	42.8309, -14.6868, -21.8307

Details

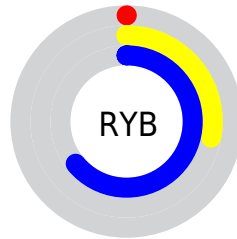
The XYZ color **14.4611, 18.3449, 37.4291** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.6772, 8.9320, 0.8984**, and the grayscale version is **10.6506, 11.2052, 12.2025**.

A 20% lighter version of the original color is **33.5027, 40.6417, 72.4085**, and **5.7379, 6.8850, 16.0654** is the 20% darker color. If you saturate the color by 10%, you get **14.4608, 18.3441, 37.4293**, and if you desaturate by 10%, it is **15.1361, 19.3692, 37.5916**.

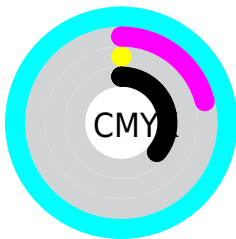
Distribution



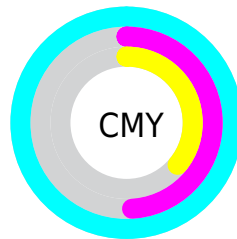
- Red (0%)
- Green (51%)
- Blue (64%)



- Red (0%)
- Yellow (28%)
- Blue (64%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (49%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4611, 18.3449, 37.4291 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 14.4611, 18.3449, 37.4291 by changing the saturation by 10% instead.

■ 14.4611, 18.3449,
37.4291

■ 14.4611, 18.3449,
37.4291

■ 213.5345,
242.8080, 350.3890

■ 8.5259, 11.1979,
25.2415

■ 33.4844, 40.6242,
72.4259

■ 4.4879, 6.2001,
16.0364

■ 47.3033, 56.5252,
96.0723

■ 1.9817, 2.9671,
9.3953

■ 64.4808, 76.1130,
124.3753

■ 0.6236, 1.1146,
4.8996

■ 85.3822, 99.7720,
157.7534

■ 0.0000, 0.0000,
2.1308

■ 110.3729,
127.8867, 196.6254

■ 0.0000, 0.0000,
0.6340

■ 139.8183,

■ 0.0000, 0.0000,

160.8412, 241.4096

0.0000

174.0837,
199.0202, 292.5246

■ 14.4611, 18.3449,
37.4291

■ 14.4611, 18.3449,
37.4291

■ 14.4608, 18.3441,
37.4293

■ 15.1361, 19.3692,
37.5916

■ 16.0025, 20.5143,
37.7670

■ 17.1359, 21.8195,
37.9592

■ 18.5688, 23.3019,
38.1698

■ 20.3288, 24.9759,
38.4001

■ 22.4405, 26.8543,
38.6514

■ 24.9258, 28.9486,
38.9247

■ 27.8049, 31.2696,
39.2209

■ 31.0966, 33.8269,
39.5410

Harmonies

Analogous

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



12.7565, 18.3449, 28.5225



14.4611, 18.3449, 37.4291



17.1353, 18.3449, 41.6182

Triad

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



14.4611, 18.3449, 37.4291



23.9039, 18.3449, 20.8542



14.9290, 18.3449, 8.5173

Complementary

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



14.4611, 18.3449, 37.4291



15.6772, 8.9320, 0.8984

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.



17.7408, 18.3449, 7.5418



14.4611, 18.3449, 37.4291



23.1400, 18.3449, 13.3317

Square

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



14.4611, 18.3449, 37.4291



22.7763, 18.3449, 30.4697



20.7939, 18.3449, 9.0180



13.0039, 18.3449, 12.2172

Rectangle

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



14.4611, 18.3449, 37.4291



19.1915, 18.3449, 40.4782



20.7939, 18.3449, 9.0180



15.7915, 18.3449, 7.9163

Sweetspot

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



14.4617, 18.3455, 37.4296



44.3670, 51.6194, 69.6813



13.3668, 26.3025, 5.7834



9.5483, 11.2467, 15.6051



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.



14.4617, 18.3455, 37.4296



25.7496, 32.5558, 66.9829



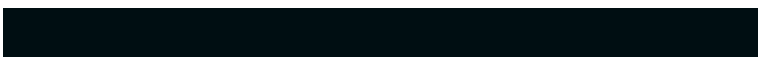
7.7061, 4.8342, 35.1777



7.1501, 7.7592, 9.0239



11.2718, 14.3231, 29.1003



0.2667, 0.3607, 0.6214

Inverse Universe

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



19.0673, 9.3722, 21.5736



34.0717, 16.7535, 38.2387



21.1340, 19.8456, 2.7174



7.3007, 7.1767, 8.5701



14.8350, 7.2900, 16.8534



0.3268, 0.1592, 0.4335

Previews

White Background



This preview shows how the XYZ color 14.4611, 18.3449, 37.4291 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 14.4611, 18.3449, 37.4291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

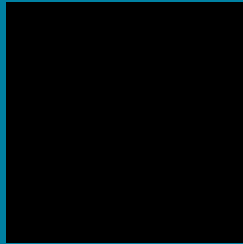
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4611, 18.3449, 37.4291

Background



This preview shows how black text looks on a background with the XYZ color 14.4611, 18.3449, 37.4291.

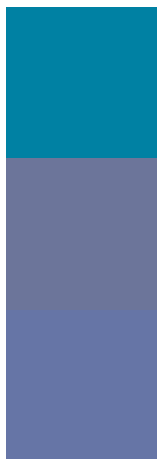


This preview shows how white text looks on a background with the XYZ color 14.4611, 18.3449,

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

14.4611, 18.3449, 37.4291

Protanopia

18.3784, 18.2438, 33.1246

Deuteranopia

18.7237, 18.3005, 38.6219



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

14.4611, 18.3449, 37.4291

Protanomaly

15.3774, 17.3743, 34.4414

Deuteranomaly

15.8089, 17.5152, 38.1449

Tritanomaly

13.6213, 18.4346, 31.6945

Monochromacy



Original Color

14.4611, 18.3449, 37.4291

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4509, 12.8080, 19.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4611, 18.3449, 37.4291 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, 129, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 163)  
}
```

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, 129, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.4611, 18.3449, 37.4291 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, 129, 163) }
```


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

```
.border{ border-color:rgb(0, 129, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4611, 18.3449, 37.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 163) }
```

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

```
.background{ background-color: rgb(0, 129,  
163) }
```

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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