

Converting Colors

XYZ(13.4705, 17.9257, 36.7432)

Have a look what the booklet for
XYZ(13.4705, 17.9257, 36.7432)
contains.

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Color

**XYZ(14.3718, 18.3091,
36.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	0081A2
RGB	0, 129, 162
RGB Percent	0%, 51%, 64%
CMY	0.9999, 0.4941, 0.3647
CMYK	1.00, 0.20, 0.00, 0.36
HSL	192°, 100%, 32%
HSV	192°, 100%, 64%
XYZ	14.3718, 18.3091, 36.9590
YIQ	94.1910, -87.4770, -17.0850

Conversions

Conversions Part 2

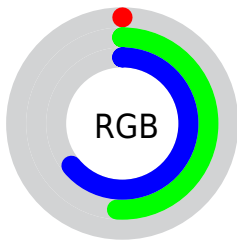
Format	Color
RYB	0, 72, 162
Decimal	33186
CIELab	49.87, -17.54, -25.95
CIELCh	50, 31.320, 235.938
Yxy	18.3091, 0.2064, 0.2629
Android (android.graphics.Color)	4278223266 (0xFF0081A2)
YUV	94.1910, 33.4298, -82.6055
Hunter-Lab	42.7891, -14.9273, -21.2592

Details

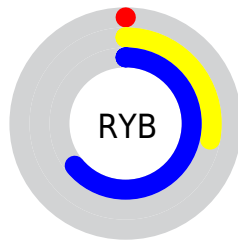
The XYZ color **14.3718, 18.3091, 36.9590** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.4451, 8.7706, 0.8796**, and the grayscale version is **10.6246, 11.1779, 12.1728**.

A 20% lighter version of the original color is **33.3722, 40.5895, 71.7213**, and **5.6831, 6.8631, 15.7770** is the 20% darker color. If you saturate the color by 10%, you get **14.3715, 18.3082, 36.9592**, and if you desaturate by 10%, it is **15.0315, 19.3054, 37.1169**.

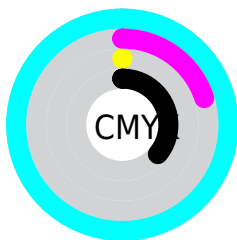
Distribution



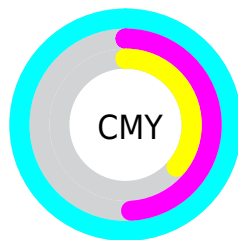
- Red (0%)
- Green (51%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3718, 18.3091, 36.9590 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 14.3718, 18.3091, 36.9590 by changing the saturation by 10% instead.

■ 14.3718, 18.3091,
36.9590

■ 14.3718, 18.3091,
36.9590

■ 212.9963,
242.6076, 348.2963

■ 8.4631, 11.1721,
24.8802

■ 33.3281, 40.5633,
71.6953

■ 4.4470, 6.1827,
15.7696

■ 47.1064, 56.4494,
95.1900

■ 1.9580, 2.9565,
9.2087

■ 64.2387, 76.0206,
123.3270

■ 0.6102, 1.1091,
4.7789

■ 85.0902, 99.6613,
156.5249

■ 0.0000, 0.0000,
2.0617

■ 110.0264,
127.7560, 195.2022

■ 0.0000, 0.0000,
0.5928

■ 139.4126,

■ 0.0000, 0.0000,

160.6890, 239.7776

0.0000

173.6141,
198.8447, 290.6694

■ 14.3718, 18.3091,
36.9590

■ 14.3718, 18.3091,
36.9590

■ 14.3715, 18.3082,
36.9592

■ 15.0315, 19.3054,
37.1169

■ 15.8789, 20.4191,
37.2872

■ 16.9888, 21.6895,
37.4739

■ 18.3933, 23.1331,
37.6785

■ 20.1197, 24.7642,
37.9024

■ 22.1919, 26.5954,
38.1466

■ 24.6318, 28.6381,
38.4123

■ 27.4591, 30.9027,
38.7004

■ 30.6923, 33.3988,
39.0118

Harmonies

Analogous

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



12.7200, 18.3091, 28.0551



14.3718, 18.3091, 36.9590



16.9975, 18.3091, 41.3288

Triad

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



14.3718, 18.3091, 36.9590



23.8022, 18.3091, 21.1268



15.0028, 18.3091, 8.4776

Complementary

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



14.3718, 18.3091, 36.9590



15.4451, 8.7706, 0.8796

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.



17.8134, 18.3091, 7.5941



14.3718, 18.3091, 36.9590



23.1120, 18.3091, 13.5564

Square

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



14.3718, 18.3091, 36.9590



22.6226, 18.3091, 30.6739



20.8313, 18.3091, 9.1556



13.0539, 18.3091, 12.0510

Rectangle

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



14.3718, 18.3091, 36.9590



19.0321, 18.3091, 40.3728



20.8313, 18.3091, 9.1556



15.8682, 18.3091, 7.9097

Sweetspot

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



14.3724, 18.3097, 36.9595



44.4381, 51.7616, 69.7050



13.1873, 25.9477, 5.7100



9.5662, 11.2824, 15.6110



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.



14.3724, 18.3097, 36.9595



25.9403, 32.9374, 67.0465



7.6044, 4.7736, 34.7034



7.1530, 7.7650, 9.0249



11.3531, 14.4856, 29.1274



0.2679, 0.3630, 0.6218

Inverse Universe

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



18.8633, 9.2670, 21.5639



34.1680, 16.7921, 38.7458



20.8514, 19.5830, 2.6816



7.3022, 7.1773, 8.5778



14.8760, 7.3065, 17.0694



0.3274, 0.1594, 0.4366

Previews

White Background



This preview shows how the XYZ color 14.3718, 18.3091, 36.9590 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 14.3718, 18.3091, 36.9590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

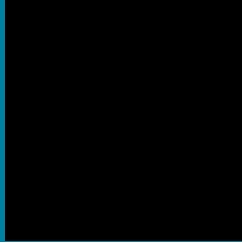
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.3718, 18.3091, 36.9590

Background



This preview shows how black text looks on a background with the XYZ color 14.3718, 18.3091, 36.9590.

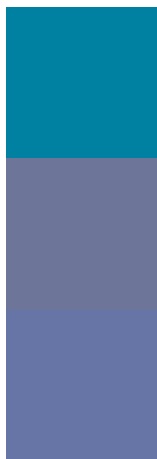


This preview shows how white text looks on a background with the XYZ color 14.3718, 18.3091,

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

14.3718, 18.3091, 36.9590

Protanopia

18.4177, 18.2737, 32.6934

Deuteranopia

18.6323, 18.2640, 38.1406



Tritanopia

12.9988, 18.1856, 28.4162

Trichromacy



Original Color

14.3718, 18.3091, 36.9590

Protanomaly

15.2924, 17.3403, 33.9935

Deuteranomaly

15.7182, 17.4789, 37.6673

Tritanomaly

13.4074, 18.1352, 31.2276

Monochromacy



Original Color

14.3718, 18.3091, 36.9590

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 14.3718, 18.3091, 36.9590 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 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, 129, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.3718, 18.3091, 36.9590 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, 162) }
```


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

```
.border{ border-color:rgb(0, 129, 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, 129, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3718, 18.3091, 36.9590 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, 162) }
```

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

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