

Converting Colors

XYZ(3.3115, 12.3853, 35.1090)

Have a look what the booklet for
XYZ(3.3115, 12.3853, 35.1090)
contains.

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Color

**XYZ(13.9772, 17.9415,
35.5273)**

Conversions

Conversions Part 1

Format	Color
Hex	00809F
RGB	0, 128, 159
RGB Percent	0%, 50%, 62%
CMY	0.9999, 0.4980, 0.3765
CMYK	1.00, 0.19, 0.00, 0.38
HSL	192°, 100%, 31%
HSV	192°, 100%, 62%
XYZ	13.9772, 17.9415, 35.5273
YIQ	93.2620, -86.2390, -17.4950

Conversions

Conversions Part 2

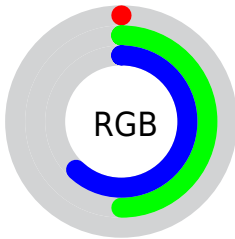
Format	Color
RYB	0, 71, 159
Decimal	32927
CIELab	49.43, -18.09, -24.89
CIELCh	49, 30.767, 233.987
Yxy	17.9415, 0.2072, 0.2660
Android (android.graphics.Color)	4278223007 (0xFF00809F)
YUV	93.2620, 32.4088, -81.7908
Hunter-Lab	42.3574, -15.2236, -20.0793

Details

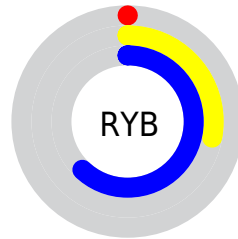
The XYZ color **13.9772, 17.9415, 35.5273** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.7892, 8.3526, 0.8336**, and the grayscale version is **10.4090, 10.9511, 11.9257**.

A 20% lighter version of the original color is **32.6860, 39.9775, 69.6120**, and **5.4498, 6.6535, 14.9069** is the 20% darker color. If you saturate the color by 10%, you get **13.9767, 17.9404, 35.5275**, and if you desaturate by 10%, it is **14.6006, 18.8728, 35.6746**.

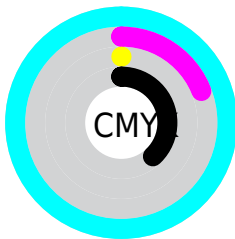
Distribution



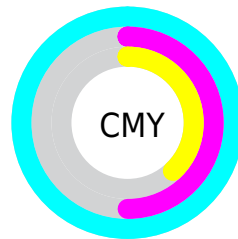
- Red (0%)
- Green (50%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9772, 17.9415, 35.5273 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 13.9772, 17.9415, 35.5273 by changing the saturation by 10% instead.

■ 13.9772, 17.9415,
35.5273

■ 13.9772, 17.9415,
35.5273

■ 210.6024,
240.5411, 341.8644

■ 8.1864, 10.9080,
23.7825

■ 32.6352, 39.9376,
69.4626

■ 4.2673, 6.0050,
14.9617

■ 46.2331, 55.6690,
92.4903

■ 1.8544, 2.8481,
8.6462

■ 63.1640, 75.0685,
120.1161

■ 0.5501, 1.0530,
4.4175

■ 83.7934, 98.5205,
152.7584

■ 0.0000, 0.0000,
1.8571

■ 108.4866,
126.4093, 190.8358

■ 0.0000, 0.0000,
0.4652

■ 137.6089,

■ 0.0000, 0.0000,

159.1195, 234.7670

0.0000

171.5257,
197.0353, 284.9703

■ 13.9772, 17.9415,
35.5273

■ 13.9772, 17.9415,
35.5273

■ 13.9767, 17.9404,
35.5275

■ 14.6006, 18.8728,
35.6746

■ 15.4016, 19.9138,
35.8333

■ 16.4531, 21.1027,
36.0073

■ 17.7857, 22.4552,
36.1982

■ 19.4252, 23.9850,
36.4070

■ 21.3947, 25.7040,
36.6350

■ 23.7147, 27.6230,
36.8831

■ 26.4044, 29.7520,
37.1523

■ 29.4813, 32.1001,
37.4434

Harmonies

Analogous

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



12.4449, 17.9415, 26.7806



13.9772, 17.9415, 35.5273



16.4748, 17.9415, 40.1337

Triad

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



13.9772, 17.9415, 35.5273



23.2275, 17.9415, 21.2580



14.8830, 17.9415, 8.2681

Complementary

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



13.9772, 17.9415, 35.5273



14.7892, 8.3526, 0.8336

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.



17.6442, 17.9415, 7.5606



13.9772, 17.9415, 35.5273



22.6774, 17.9415, 13.7309

Square

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



13.9772, 17.9415, 35.5273



21.9777, 17.9415, 30.5215



20.5495, 17.9415, 9.2483



12.9249, 17.9415, 11.5634

Rectangle

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



13.9772, 17.9415, 35.5273



18.4378, 17.9415, 39.5132



20.5495, 17.9415, 9.2483



15.7391, 17.9415, 7.7675

Sweetspot

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



13.9778, 17.9421, 35.5277



42.2074, 49.2568, 66.0264



12.6226, 24.8863, 5.3121



9.1296, 10.7892, 14.8450



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.9778, 17.9421, 35.5277



24.8933, 31.8546, 63.5800



7.4150, 4.8165, 33.3401



6.7119, 7.2895, 8.4599



11.0682, 14.2280, 28.0702



0.2237, 0.3060, 0.5105

Inverse Universe

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



18.1949, 8.9302, 21.1873



32.5145, 15.9639, 37.5751



19.7309, 18.2360, 2.4809



6.8487, 6.7324, 8.0542



14.3849, 7.0585, 16.8100



0.2702, 0.1314, 0.3692

Previews

White Background



This preview shows how the XYZ color 13.9772, 17.9415, 35.5273 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 13.9772, 17.9415, 35.5273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

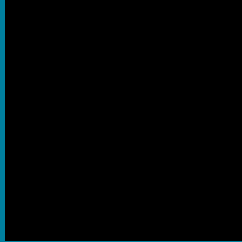
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.9772, 17.9415, 35.5273

Background



This preview shows how black text looks on a background with the XYZ color 13.9772, 17.9415, 35.5273.

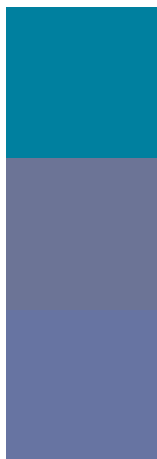


This preview shows how white text looks on a background with the XYZ color 13.9772, 17.9415,

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

13.9772, 17.9415, 35.5273

Protanopia

17.9348, 17.8809, 31.3603

Deuteranopia

18.3605, 17.9830, 36.6858



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

13.9772, 17.9415, 35.5273

Protanomaly

14.9205, 16.9981, 32.6316

Deuteranomaly

15.3963, 17.1644, 36.2198

Tritanomaly

13.1167, 17.8071, 30.3496

Monochromacy



Original Color

13.9772, 17.9415, 35.5273

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1686, 12.5222, 18.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9772, 17.9415, 35.5273 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, 128, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 159)  
}
```

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, 128, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 159) }
```

Border

The CSS property to change the border of an element to XYZ 13.9772, 17.9415, 35.5273 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, 128, 159) }
```


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

```
.border{ border-color:rgb(0, 128, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9772, 17.9415, 35.5273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 159) }
```

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

```
.background{ background-color: rgb(0, 128,  
159) }
```

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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