

Converting Colors

XYZ(13.8475, 17.8066, 35.1001)

Have a look what the booklet for
XYZ(13.8475, 17.8066, 35.1001)
contains.

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Color

**XYZ(13.8907, 17.9070,
35.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	00809E
RGB	0, 128, 158
RGB Percent	0%, 50%, 62%
CMY	0.9999, 0.4980, 0.3804
CMYK	1.00, 0.19, 0.00, 0.38
HSL	191°, 100%, 31%
HSV	191°, 100%, 62%
XYZ	13.8907, 17.9070, 35.0720
YIQ	93.1480, -85.9180, -17.8060

Conversions

Conversions Part 2

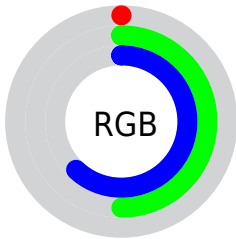
Format	Color
RYB	0, 71, 158
Decimal	32926
CIELab	49.38, -18.45, -24.37
CIELCh	49, 30.568, 232.863
Yxy	17.9070, 0.2077, 0.2678
Android (android.graphics.Color)	4278223006 (0xFF00809E)
YUV	93.1480, 31.9720, -81.6908
Hunter-Lab	42.3167, -15.4605, -19.5178

Details

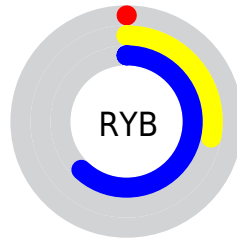
The XYZ color **13.8907, 17.9070, 35.0720** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.5656, 8.1988, 0.8155**, and the grayscale version is **10.3828, 10.9235, 11.8957**.

A 20% lighter version of the original color is **32.5586, 39.9266, 68.9414**, and **5.4498, 6.6535, 14.9069** is the 20% darker color. If you saturate the color by 10%, you get **13.8905, 17.9064, 35.0723**, and if you desaturate by 10%, it is **14.4989, 18.8104, 35.2147**.

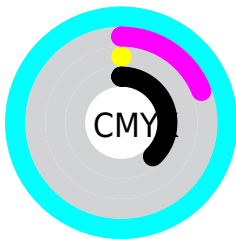
Distribution



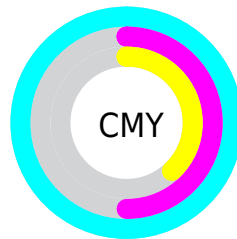
- Red (0%)
- Green (50%)
- Blue (62%)



- 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 13.8907, 17.9070, 35.0720 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 13.8907, 17.9070, 35.0720 by changing the saturation by 10% instead.

■ 13.8907, 17.9070,
35.0720

■ 13.8907, 17.9070,
35.0720

■ 210.0741,
240.3463, 339.7999

■ 8.1259, 10.8832,
23.4343

■ 32.4829, 39.8788,
68.7501

■ 4.2281, 5.9884,
14.7062

■ 46.0409, 55.5956,
91.6277

■ 1.8320, 2.8380,
8.4692

■ 62.9274, 74.9789,
119.0890

■ 0.5368, 1.0478,
4.3045

■ 83.5077, 98.4131,
151.5525

■ 0.0000, 0.0000,
1.7939

■ 108.1471,
126.2825, 189.4368

■ 0.0000, 0.0000,
0.4239

■ 137.2111,

■ 0.0000, 0.0000,

158.9716, 233.1605

0.0000

171.0650,
196.8647, 283.1420

■ 13.8907, 17.9070,
35.0720

■ 13.8907, 17.9070,
35.0720

■ 13.8905, 17.9064,
35.0723

■ 14.4989, 18.8104,
35.2147

■ 15.2810, 19.8206,
35.3684

■ 16.3095, 20.9752,
35.5371

■ 17.6143, 22.2898,
35.7221

■ 19.2209, 23.7778,
35.9246

■ 21.1519, 25.4509,
36.1458

■ 23.4278, 27.3199,
36.3866

■ 26.0672, 29.3943,
36.6479

■ 29.0873, 31.6833,
36.9305

Harmonies

Analogous

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



12.4100, 17.9070, 26.3320



13.8907, 17.9070, 35.0720



16.3412, 17.9070, 39.8498

Triad

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



13.8907, 17.9070, 35.0720



23.1279, 17.9070, 21.5355



14.9578, 17.9070, 8.2303

Complementary

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



13.8907, 17.9070, 35.0720



14.5656, 8.1988, 0.8155

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.



17.7175, 17.9070, 7.6144



13.8907, 17.9070, 35.0720



22.6501, 17.9070, 13.9617

Square

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



13.8907, 17.9070, 35.0720



21.8278, 17.9070, 30.7264



20.5873, 17.9070, 9.3898



12.9758, 17.9070, 11.4041

Rectangle

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



13.8907, 17.9070, 35.0720



18.2830, 17.9070, 39.4084



20.5873, 17.9070, 9.3898



15.8167, 17.9070, 7.7623

Sweetspot

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



13.8913, 17.9076, 35.0724



42.2782, 49.3983, 66.0500



12.4488, 24.5427, 5.2425



9.1475, 10.8249, 14.8509



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.



13.8913, 17.9076, 35.0724



25.0864, 32.2408, 63.6443



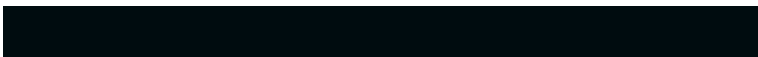
7.3146, 4.7541, 32.8802



6.7147, 7.2952, 8.4609



11.1518, 14.3951, 28.0980



0.2247, 0.3080, 0.5108

Inverse Universe

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



17.9973, 8.8282, 21.1782



32.6120, 16.0028, 38.0884



19.4606, 17.9889, 2.4471



6.8501, 6.7330, 8.0618



14.4271, 7.0754, 17.0319



0.2707, 0.1316, 0.3718

Previews

White Background



This preview shows how the XYZ color 13.8907, 17.9070, 35.0720 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 13.8907, 17.9070, 35.0720 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

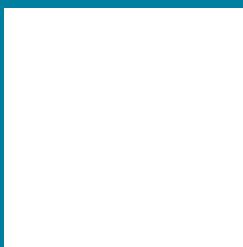
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8907, 17.9070, 35.0720

Background



This preview shows how black text looks on a background with the XYZ color 13.8907, 17.9070, 35.0720.

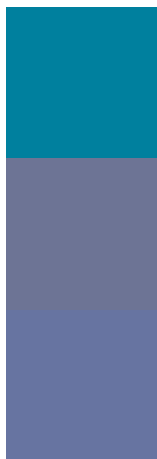


This preview shows how white text looks on a background with the XYZ color 13.8907, 17.9070,

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

13.8907, 17.9070, 35.0720

Protanopia

17.9769, 17.9119, 30.9436

Deuteranopia

18.2719, 17.9476, 36.2194



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

13.8907, 17.9070, 35.0720

Protanomaly

14.8382, 16.9651, 32.1983

Deuteranomaly

15.3084, 17.1293, 35.7571

Tritanomaly

13.1167, 17.8071, 30.3496

Monochromacy



Original Color

13.8907, 17.9070, 35.0720

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 13.8907, 17.9070, 35.0720 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 158) }
```

Border

The CSS property to change the border of an element to XYZ 13.8907, 17.9070, 35.0720 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, 158) }
```


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

```
.border{ border-color:rgb(0, 128, 158) }
```

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, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8907, 17.9070, 35.0720 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, 158) }
```

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

```
.background{ background-color: rgb(0, 128,  
158) }
```

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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