

Converting Colors

XYZ(13.8443, 17.6475, 38.2449)

Have a look what the booklet for
XYZ(13.8443, 17.6475, 38.2449)
contains.

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Color

**XYZ(14.3809, 17.8954,
38.2935)**

Conversions

Conversions Part 1

Format	Color
Hex	007FA5
RGB	0, 127, 165
RGB Percent	0%, 50%, 65%
CMY	0.9999, 0.5020, 0.3529
CMYK	1.00, 0.23, 0.00, 0.35
HSL	194°, 100%, 32%
HSV	194°, 100%, 65%
XYZ	14.3809, 17.8954, 38.2935
YIQ	93.3590, -87.8900, -15.1060

Conversions

Conversions Part 2

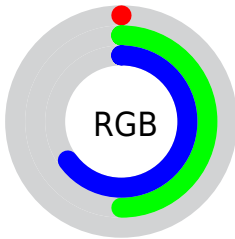
Format	Color
RYB	0, 72, 165
Decimal	32677
CIELab	49.37, -15.33, -28.47
CIELCh	49, 32.334, 241.696
Yxy	17.8954, 0.2038, 0.2536
Android (android.graphics.Color)	4278222757 (0xFF007FA5)
YUV	93.3590, 35.3190, -81.8758
Hunter-Lab	42.3030, -13.3491, -24.0585

Details

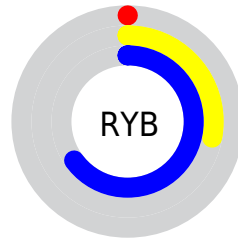
The XYZ color **14.3809, 17.8954, 38.2935** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.2113, 9.3873, 0.9583**, and the grayscale version is **10.4251, 10.9680, 11.9442**.

A 20% lighter version of the original color is **33.3593, 39.9337, 73.6599**, and **5.7050, 6.6410, 16.6039** is the 20% darker color. If you saturate the color by 10%, you get **14.3804, 17.8943, 38.2937**, and if you desaturate by 10%, it is **15.1042, 19.0110, 38.4711**.

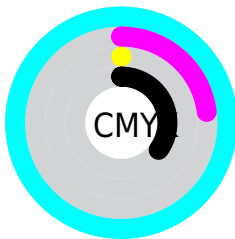
Distribution



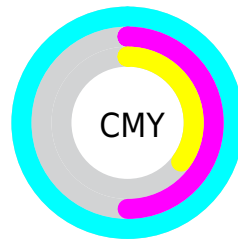
- Red (0%)
- Green (50%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3809, 17.8954, 38.2935 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 14.3809, 17.8954, 38.2935 by changing the saturation by 10% instead.

■ 14.3809, 17.8954,
38.2935

■ 14.3809, 17.8954,
38.2935

■ 213.0512,
240.2808, 354.2132

■ 8.4695, 10.8749,
25.9070

■ 33.3440, 39.8590,
73.7662

■ 4.4511, 5.9828,
16.5289

■ 47.1265, 55.5709,
97.6894

■ 1.9604, 2.8346,
9.7408

■ 64.2633, 74.9488,
126.2953

■ 0.6116, 1.0460,
5.1241

■ 85.1200, 98.3769,
160.0023

■ 0.0000, 0.0000,
2.2602

■ 110.0617,
126.2398, 199.2291

■ 0.0000, 0.0000,
0.7088

■ 139.4539,

■ 0.0000, 0.0000,

158.9219, 244.3942

0.0000

173.6620,
196.8074, 295.9160

■ 14.3809, 17.8954,
38.2935

■ 14.3809, 17.8954,
38.2935

■ 14.3804, 17.8943,
38.2937

■ 15.1042, 19.0110,
38.4711

■ 16.0283, 20.2577,
38.6630

■ 17.2302, 21.6757,
38.8734

■ 18.7435, 23.2825,
39.1037

■ 20.5968, 25.0933,
39.3556

■ 22.8153, 27.1212,
39.6301

■ 25.4219, 29.3784,
39.9284

■ 28.4373, 31.8758,
40.2515

■ 31.8808, 34.6237,
40.6004

Harmonies

Analogous

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



12.4974, 17.8954, 29.6909



14.3809, 17.8954, 38.2935



17.1829, 17.8954, 41.5141

Triad

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



14.3809, 17.8954, 38.2935



23.5591, 17.8954, 18.9930



14.1142, 17.8954, 8.4158

Complementary

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



14.3809, 17.8954, 38.2935



16.2113, 9.3873, 0.9583

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.



16.8364, 17.8954, 7.0698



14.3809, 17.8954, 38.2935



22.4936, 17.8954, 11.9354

Square

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



14.3809, 17.8954, 38.2935



22.7030, 17.8954, 28.5674



19.9393, 17.8954, 8.1355



12.3569, 17.8954, 12.5660

Rectangle

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



14.3809, 17.8954, 38.2935



19.2668, 17.8954, 39.5898



19.9393, 17.8954, 8.1355



14.9349, 17.8954, 7.6875

Sweetspot

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



14.3815, 17.8960, 38.2940



45.2451, 52.3742, 71.4769



13.7705, 27.0367, 6.1436



9.4694, 11.0887, 15.5788



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.



14.3815, 17.8960, 38.2940



25.5936, 31.7261, 68.5271



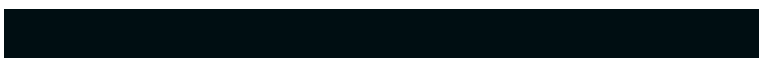
7.7992, 4.7314, 36.0999



7.1372, 7.7333, 9.0196



10.9178, 13.6151, 28.9823



0.2615, 0.3503, 0.6197

Inverse Universe

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



19.3484, 9.5323, 20.8994



34.5690, 17.0379, 36.9985



22.0262, 21.0172, 2.8966



7.2942, 7.1741, 8.5357



14.6563, 7.2186, 15.9125



0.3242, 0.1582, 0.4197

Previews

White Background



This preview shows how the XYZ color 14.3809, 17.8954, 38.2935 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 14.3809, 17.8954, 38.2935 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 14.3809, 17.8954, 38.2935

Background



This preview shows how black text looks on a background with the XYZ color 14.3809, 17.8954, 38.2935.

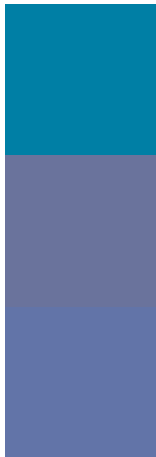


This preview shows how white text looks on a background with the XYZ color 14.3809, 17.8954,

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

14.3809, 17.8954, 38.2935

Protanopia

18.0753, 17.7259, 33.9213

Deuteranopia

18.3503, 17.9146, 39.5365



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

14.3809, 17.8954, 38.2935

Protanomaly

15.1696, 16.8901, 35.2615

Deuteranomaly

15.6781, 17.2471, 39.0619

Tritanomaly

13.2751, 17.8704, 31.1834

Monochromacy



Original Color

14.3809, 17.8954, 38.2935

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1850, 12.3649, 19.3026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3809, 17.8954, 38.2935 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, 127, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 165)  
}
```

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, 127, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 165) }
```

Border

The CSS property to change the border of an element to XYZ 14.3809, 17.8954, 38.2935 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, 127, 165) }
```


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

```
.border{ border-color:rgb(0, 127, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3809, 17.8954, 38.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 165) }
```

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

```
.background{ background-color: rgb(0, 127,  
165) }
```

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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