

Converting Colors

XYZ(12.4437, 16.6777, 35.5285)

Have a look what the booklet for
XYZ(12.4437, 16.6777, 35.5285)
contains.

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Color

**XYZ(13.7189, 17.4249,
35.4412)**

Conversions

Conversions Part 1

Format	Color
Hex	007E9F
RGB	0, 126, 159
RGB Percent	0%, 49%, 62%
CMY	0.9999, 0.5059, 0.3765
CMYK	1.00, 0.21, 0.00, 0.38
HSL	192°, 100%, 31%
HSV	192°, 100%, 62%
XYZ	13.7189, 17.4249, 35.4412
YIQ	92.0880, -85.6890, -16.4490

Conversions

Conversions Part 2

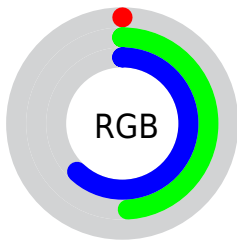
Format	Color
RYB	0, 70, 159
Decimal	32415
CIELab	48.79, -16.99, -25.87
CIELCh	49, 30.950, 236.700
Yxy	17.4249, 0.2060, 0.2617
Android (android.graphics.Color)	4278222495 (0xFF007E9F)
YUV	92.0880, 32.9876, -80.7612
Hunter-Lab	41.7431, -14.3864, -21.1188

Details

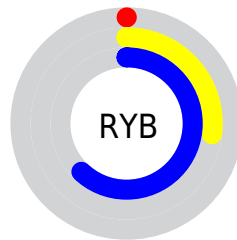
The XYZ color **13.7189, 17.4249, 35.4412** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.8431, 8.4605, 0.8516**, and the grayscale version is **10.1358, 10.6636, 11.6127**.

A 20% lighter version of the original color is **32.2822, 39.1699, 69.4774**, and **5.3077, 6.3693, 14.8596** is the 20% darker color. If you saturate the color by 10%, you get **13.7183, 17.4237, 35.4413**, and if you desaturate by 10%, it is **14.3607, 18.3930, 35.5946**.

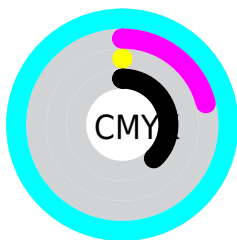
Distribution



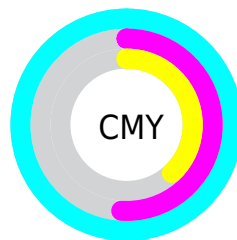
- Red (0%)
- Green (49%)
- Blue (62%)



- Red (0%)
- Yellow (27%)
- Blue (62%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7189, 17.4249, 35.4412 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 13.7189, 17.4249, 35.4412 by changing the saturation by 10% instead.

■ 13.7189, 17.4249,
35.4412

■ 13.7189, 17.4249,
35.4412

209.0208,
237.6092, 341.4747

■ 8.0058, 10.5379,
23.7167

■ 32.1799, 39.0549,
69.3280

■ 4.1505, 5.7570,
14.9133

■ 45.6585, 54.5667,
92.3273

■ 1.7876, 2.6979,
8.6126

■ 62.4563, 73.7222,
119.9220

■ 0.5102, 0.9761,
4.3960

■ 82.9386, 96.9058,
152.5306

■ 0.0000, 0.0000,
1.8450

■ 107.4709,
124.5019, 190.5717

■ 0.0000, 0.0000,
0.4574

■ 136.4185,

■ 0.0000, 0.0000,

156.8949, 234.4637

0.0000

170.1466,
194.4692, 284.6252

■ 13.7189, 17.4249,
35.4412

■ 13.7189, 17.4249,
35.4412

■ 13.7183, 17.4237,
35.4413

■ 14.3607, 18.3930,
35.5946

■ 15.1817, 19.4740,
35.7600

■ 16.2549, 20.7061,
35.9412

■ 17.6107, 22.1052,
36.1398

■ 19.2751, 23.6848,
36.3570

■ 21.2711, 25.4569,
36.5938

■ 23.6195, 27.4325,
36.8514

■ 26.3392, 29.6215,
37.1306

■ 29.4478, 32.0332,
37.4322

Harmonies

Analogous

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



12.1135, 17.4249, 26.9771



13.7189, 17.4249, 35.4412



16.2469, 17.4249, 39.4728

Triad

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



13.7189, 17.4249, 35.4412



22.6898, 17.4249, 19.8952



14.2089, 17.4249, 8.0838

Complementary

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



13.7189, 17.4249, 35.4412



14.8431, 8.4605, 0.8516

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.



16.8809, 17.4249, 7.1822



13.7189, 17.4249, 35.4412



21.9842, 17.4249, 12.7326

Square

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



13.7189, 17.4249, 35.4412



21.6036, 17.4249, 29.0147



19.7727, 17.4249, 8.6088



12.3727, 17.4249, 11.5649

Rectangle

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



13.7189, 17.4249, 35.4412



18.1951, 17.4249, 38.4406



19.7727, 17.4249, 8.6088



15.0294, 17.4249, 7.5218

Sweetspot

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



13.7195, 17.4255, 35.4416



42.0338, 48.9096, 65.9685



12.6570, 24.9001, 5.4931



9.0859, 10.7017, 14.8304



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.



13.7195, 17.4255, 35.4416



24.4247, 30.9173, 63.4238



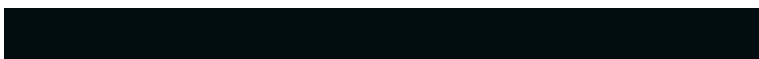
7.3041, 4.5946, 33.3032



6.7049, 7.2755, 8.4576



10.8655, 13.8225, 28.0026



0.2214, 0.3013, 0.5097

Inverse Universe

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



18.0646, 8.8781, 20.5007



32.2780, 15.8692, 36.3296



20.0167, 18.8077, 2.5761



6.8451, 6.7310, 8.0356



14.2826, 7.0176, 16.2710



0.2690, 0.1309, 0.3629

Previews

White Background



This preview shows how the XYZ color 13.7189, 17.4249, 35.4412 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 13.7189, 17.4249, 35.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

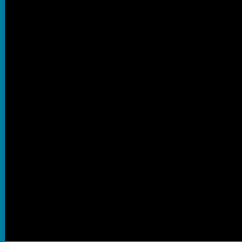
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7189, 17.4249, 35.4412

Background



This preview shows how black text looks on a background with the XYZ color 13.7189, 17.4249, 35.4412.

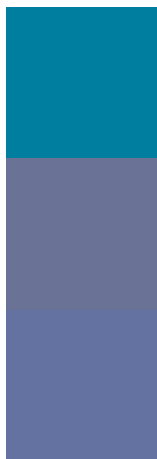


This preview shows how white text looks on a background with the XYZ color 13.7189, 17.4249,

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

13.7189, 17.4249, 35.4412

Protanopia

17.4662, 17.3008, 31.2730

Deuteranopia

17.7944, 17.3526, 36.5939



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

13.7189, 17.4249, 35.4412

Protanomaly

14.5429, 16.4501, 32.5457

Deuteranomaly

15.0258, 16.6201, 36.1343

Tritanomaly

12.9075, 17.5137, 29.8943

Monochromacy



Original Color

13.7189, 17.4249, 35.4412

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9063, 12.0914, 18.3347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7189, 17.4249, 35.4412 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, 126, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 159) }
```

Border

The CSS property to change the border of an element to XYZ 13.7189, 17.4249, 35.4412 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, 126, 159) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7189, 17.4249, 35.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 159) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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