

Converting Colors

XYZ(15.9892, 23.4510, 37.8468)

Have a look what the booklet for
XYZ(15.9892, 23.4510, 37.8468)
contains.

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Color

**XYZ(17.2690, 24.1035,
37.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	0095A2
RGB	0, 149, 162
RGB Percent	0%, 58%, 64%
CMY	0.9999, 0.4157, 0.3647
CMYK	1.00, 0.08, 0.00, 0.36
HSL	185°, 100%, 32%
HSV	185°, 100%, 64%
XYZ	17.2690, 24.1035, 37.9247
YIQ	105.9310, -92.9770, -27.5450

Conversions

Conversions Part 2

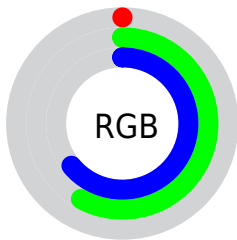
Format	Color
RYB	0, 78, 162
Decimal	38306
CIELab	56.19, -27.98, -16.25
CIELCh	56, 32.355, 210.149
Yxy	24.1035, 0.2178, 0.3040
Android (android.graphics.Color)	4278228386 (0xFF0095A2)
YUV	105.9310, 27.6420, -92.9015
Hunter-Lab	49.0953, -23.1304, -11.4331

Details

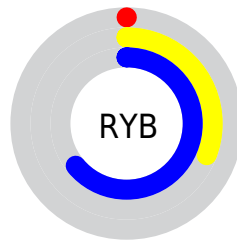
The XYZ color **17.2690, 24.1035, 37.9247** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0449, 7.9700, 0.7461**, and the grayscale version is **13.6280, 14.3377, 15.6138**.

A 20% lighter version of the original color is **38.4316, 50.4196, 73.3520**, and **7.1822, 9.8612, 16.2767** is the 20% darker color. If you saturate the color by 10%, you get **17.2691, 24.1036, 37.9252**, and if you desaturate by 10%, it is **17.6939, 24.6301, 38.0044**.

Distribution



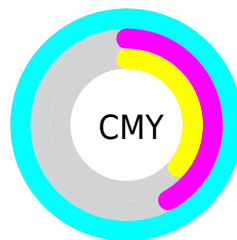
- Red (0%)
- Green (58%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (42%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2690, 24.1035, 37.9247 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 17.2690, 24.1035, 37.9247 by changing the saturation by 10% instead.

■ 17.2690, 24.1035,
37.9247

■ 17.2690, 24.1035,
37.9247

■ 229.8440,
273.3433, 352.5853

■ 10.5230, 15.4104,
25.6229

■ 38.3276, 50.1990,
73.1949

■ 5.8120, 9.1079,
16.3185

■ 53.3709, 68.3703,
97.0003

■ 2.7706, 4.8116,
9.5930

■ 71.9107, 90.4697,
125.4773

■ 1.0337, 2.1372,
5.0279

■ 94.3123, 116.8817,
159.0444

■ 0.0000, 0.6854,
2.2046

■ 120.9411,
147.9907, 198.1203

■ 0.0000, 0.0000,
0.6770

■ 152.1623,

■ 0.0000, 0.0000,

184.1810, 243.1233

0.0000

188.3415,
225.8371, 294.4722

■ 17.2690, 24.1035,
37.9247

■ 17.2690, 24.1035,
37.9247

■ 17.2691, 24.1036,
37.9252

■ 17.6939, 24.6301,
38.0044

■ 18.2944, 25.2502,
38.0924

■ 19.1456, 26.0029,
38.1929

■ 20.2792, 26.9046,
38.3072

■ 21.7224, 27.9695,
38.4366

■ 23.4991, 29.2097,
38.5824

■ 25.6311, 30.6365,
38.7454

■ 28.1379, 32.2600,
38.9267

■ 31.0379, 34.0898,
39.1270

Harmonies

Analogous

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



16.4806, 24.1035, 26.2980



17.2690, 24.1035, 37.9247



19.5335, 24.1035, 48.2990

Triad

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



17.2690, 24.1035, 37.9247



29.6837, 24.1035, 37.8067



22.8910, 24.1035, 10.6372

Complementary

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



17.2690, 24.1035, 37.9247



15.0449, 7.9700, 0.7461

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.



26.6540, 24.1035, 12.1947



17.2690, 24.1035, 37.9247



30.8249, 24.1035, 26.1913

Square

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



17.2690, 24.1035, 37.9247



26.6897, 24.1035, 48.2189



29.6616, 24.1035, 17.2487



19.5045, 24.1035, 12.2267

Rectangle

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



17.2690, 24.1035, 37.9247



21.7087, 24.1035, 52.0152



29.6616, 24.1035, 17.2487



24.1541, 24.1035, 10.8033

Sweetspot

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



17.2698, 24.1044, 37.9253



46.2854, 55.4562, 70.3207



12.9802, 25.8649, 4.6196



10.0320, 12.2140, 15.7663



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.



17.2698, 24.1044, 37.9253



31.2796, 43.6159, 68.8262



8.7256, 7.0161, 35.0772



7.2273, 7.9135, 9.0496



13.6195, 19.0185, 29.8829



0.2995, 0.4263, 0.6323

Inverse Universe

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



20.3258, 9.8520, 29.2650



36.8630, 17.8701, 52.9375



18.7115, 15.3032, 1.9683



7.3397, 7.1923, 8.7752



16.0200, 7.7640, 23.0936



0.3433, 0.1658, 0.5206

Previews

White Background



This preview shows how the XYZ color 17.2690, 24.1035, 37.9247 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2690, 24.1035, 37.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

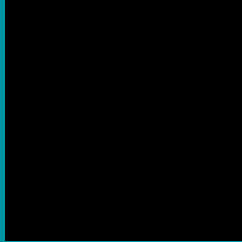
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2690, 24.1035, 37.9247

Background



This preview shows how black text looks on a background with the XYZ color 17.2690, 24.1035, 37.9247.

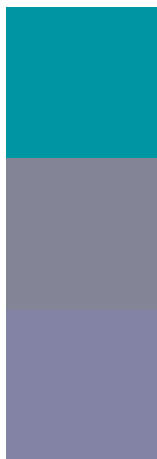


This preview shows how white text looks on a background with the XYZ color 17.2690, 24.1035,

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

17.2690, 24.1035, 37.9247

Protanopia

23.3335, 23.8347, 32.6489

Deuteranopia

24.3593, 23.8111, 39.3885



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



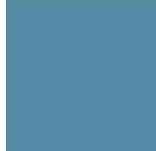
Original Color

17.2690, 24.1035, 37.9247



Protanomaly

18.7163, 22.6708, 34.3998



Deuteranomaly

19.4473, 22.7326, 38.9602



Tritanomaly

17.1805, 24.0681, 37.4583

Monochromacy



Original Color

17.2690, 24.1035, 37.9247



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

13.0402, 16.6187, 22.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2690, 24.1035, 37.9247 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, 149, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 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, 149, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 162) }
```

Border

The CSS property to change the border of an element to XYZ 17.2690, 24.1035, 37.9247 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, 149, 162) }
```


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

```
.border{ border-color:rgb(0, 149, 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, 149, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2690, 24.1035, 37.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 162) }
```

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

```
.background{ background-color: rgb(0, 149,  
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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