

Converting Colors

XYZ(14.5798, 23.5134, 36.3014)

Have a look what the booklet for
XYZ(14.5798, 23.5134, 36.3014)
contains.

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Color

**XYZ(17.3998, 24.9251,
36.2417)**

Conversions

Conversions Part 1

Format	Color
Hex	00989E
RGB	0, 152, 158
RGB Percent	0%, 60%, 62%
CMY	0.9999, 0.4039, 0.3804
CMYK	1.00, 0.04, 0.00, 0.38
HSL	182°, 100%, 31%
HSV	182°, 100%, 62%
XYZ	17.3998, 24.9251, 36.2417
YIQ	107.2360, -92.5180, -30.3580

Conversions

Conversions Part 2

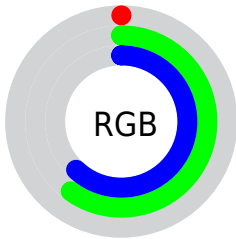
Format	Color
RYB	0, 77, 158
Decimal	39070
CIELab	57.00, -30.76, -12.74
CIELCh	57, 33.295, 202.496
Yxy	24.9251, 0.2215, 0.3172
Android (android.graphics.Color)	4278229150 (0xFF00989E)
YUV	107.2360, 25.0267, -94.0460
Hunter-Lab	49.9250, -25.1583, -8.0924

Details

The XYZ color **17.3998, 24.9251, 36.2417** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1663, 7.4001, 0.6825**, and the grayscale version is **13.9942, 14.7230, 16.0333**.

A 20% lighter version of the original color is **38.6374, 51.6539, 70.8846**, and **7.2110, 10.1759, 15.4940** is the 20% darker color. If you saturate the color by 10%, you get **17.4001, 24.9255, 36.2422**, and if you desaturate by 10%, it is **17.7086, 25.2297, 36.2847**.

Distribution



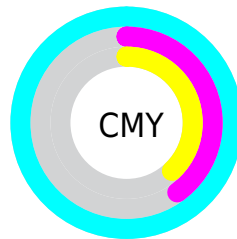
- Red (0%)
- Green (60%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3998, 24.9251, 36.2417 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 17.3998, 24.9251, 36.2417 by changing the saturation by 10% instead.

■ 17.3998, 24.9251,
36.2417

■ 17.3998, 24.9251,
36.2417

230.5775,
277.4647, 345.0850

■ 10.6170, 16.0213,
24.3298

■ 38.5501, 51.5357,
70.5782

■ 5.8753, 9.5392,
15.3640

■ 53.6482, 70.0112,
93.8398

■ 2.8093, 5.0945,
8.9258

■ 72.2489, 92.4461,
121.7218

■ 1.0538, 2.3028,
4.5966

■ 94.7175, 119.2248,
154.6426

■ 0.0000, 0.7752,
1.9580

■ 121.4193,
150.7316, 193.0208

■ 0.0000, 0.0000,
0.5293

■ 152.7196,

■ 0.0000, 0.0000,

187.3509, 237.2749

0.0000

188.9839,
229.4671, 287.8235

■ 17.3998, 24.9251,
36.2417

■ 17.3998, 24.9251,
36.2417

■ 17.4001, 24.9255,
36.2422

■ 17.7086, 25.2297,
36.2847

■ 18.1801, 25.6185,
36.3349

■ 18.8867, 26.1291,
36.3962

■ 19.8582, 26.7771,
36.4701

■ 21.1201, 27.5755,
36.5577

■ 22.6949, 28.5359,
36.6600

■ 24.6028, 29.6689,
36.7782

■ 26.8625, 30.9839,
36.9129

■ 29.4912, 32.4898,
37.0650

Harmonies

Analogous

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



16.9897, 24.9251, 24.4226



17.3998, 24.9251, 36.2417



19.4008, 24.9251, 48.0607

Triad

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



17.3998, 24.9251, 36.2417



30.1711, 24.9251, 42.4763



24.6863, 24.9251, 10.8971

Complementary

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



17.3998, 24.9251, 36.2417



14.1663, 7.4001, 0.6825

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.



28.5702, 24.9251, 13.3884



17.3998, 24.9251, 36.2417



31.9557, 24.9251, 30.0502

Square

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



17.3998, 24.9251, 36.2417



26.6859, 24.9251, 52.2964



31.3397, 24.9251, 19.7047



20.9282, 24.9251, 11.7080

Rectangle

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



17.3998, 24.9251, 36.2417



21.4999, 24.9251, 53.2962



31.3397, 24.9251, 19.7047



26.0252, 24.9251, 11.3455

Sweetspot

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



17.4006, 24.9260, 36.2423



44.4513, 53.7446, 66.7744



12.2564, 24.4658, 4.2284



9.6977, 11.9254, 15.0344



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.



17.4006, 24.9260, 36.2423



31.5635, 45.1950, 65.8034



8.6040, 7.3328, 33.3101



6.8003, 7.4663, 8.4894



13.9422, 19.9759, 29.0281



0.2553, 0.3691, 0.5210

Inverse Universe

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



19.7687, 9.5369, 30.5056



35.8813, 17.3106, 55.3045



17.2930, 13.6534, 1.7247



6.8933, 6.7502, 8.2891



15.8356, 7.6388, 24.4489



0.2862, 0.1378, 0.4530

Previews

White Background



This preview shows how the XYZ color 17.3998, 24.9251, 36.2417 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 17.3998, 24.9251, 36.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

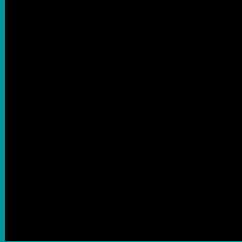
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3998, 24.9251, 36.2417

Background



This preview shows how black text looks on a background with the XYZ color 17.3998, 24.9251, 36.2417.



This preview shows how white text looks on a background with the XYZ color 17.3998, 24.9251,

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

17.3998, 24.9251, 36.2417

Protanopia

23.9221, 24.5854, 31.0884

Deuteranopia

25.2256, 24.7021, 37.6209



Tritanopia

17.9867, 24.9370, 38.5157

Trichromacy



Original Color

17.3998, 24.9251, 36.2417

Protanomaly

18.9485, 23.2626, 32.7696

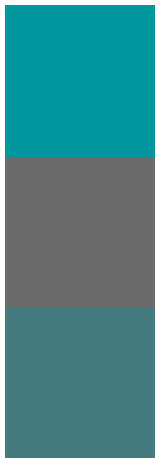
Deuteranomaly

19.7416, 23.3556, 37.1858

Tritanomaly

17.6656, 24.7920, 37.5725

Monochromacy



Original Color

17.3998, 24.9251, 36.2417

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2328, 16.9012, 22.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3998, 24.9251, 36.2417 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, 152, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 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, 152, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.3998, 24.9251, 36.2417 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, 152, 158) }
```


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

```
.border{ border-color:rgb(0, 152, 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, 152, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3998, 24.9251, 36.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 158) }
```

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

```
.background{ background-color: rgb(0, 152,  
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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