

Converting Colors

XYZ(17.6079, 23.8624, 40.8704)

Have a look what the booklet for
XYZ(17.6079, 23.8624, 40.8704)
contains.

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Color

**XYZ(17.6578, 24.0070,
40.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	0094A8
RGB	0, 148, 168
RGB Percent	0%, 58%, 66%
CMY	0.9999, 0.4196, 0.3412
CMYK	1.00, 0.12, 0.00, 0.34
HSL	187°, 100%, 33%
HSV	187°, 100%, 66%
XYZ	17.6578, 24.0070, 40.7489
YIQ	106.0280, -94.6280, -25.1560

Conversions

Conversions Part 2

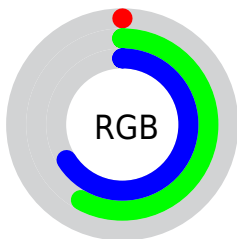
Format	Color
RYB	0, 79, 168
Decimal	38056
CIELab	56.09, -25.45, -19.83
CIELCh	56, 32.264, 217.917
Yxy	24.0070, 0.2143, 0.2913
Android (android.graphics.Color)	4278228136 (0xFF0094A8)
YUV	106.0280, 30.5522, -92.9866
Hunter-Lab	48.9969, -21.4158, -15.0114

Details

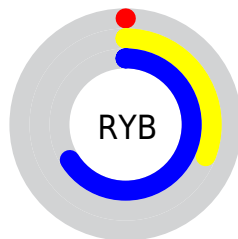
The XYZ color **17.6578, 24.0070, 40.7489** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3995, 8.8263, 0.8402**, and the grayscale version is **13.6475, 14.3582, 15.6361**.

A 20% lighter version of the original color is **38.8534, 49.8441, 77.3851**, and **7.4271, 9.8103, 18.0251** is the 20% darker color. If you saturate the color by 10%, you get **17.6576, 24.0066, 40.7493**, and if you desaturate by 10%, it is **18.2028, 24.7582, 40.8656**.

Distribution



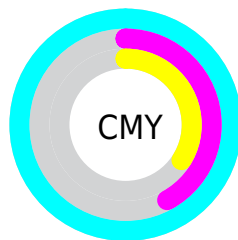
- Red (0%)
- Green (58%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (42%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6578, 24.0070, 40.7489 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 17.6578, 24.0070, 40.7489 by changing the saturation by 10% instead.

■ 17.6578, 24.0070,
40.7489

■ 17.6578, 24.0070,
40.7489

■ 232.0182,
272.8559, 364.9156

■ 10.8028, 15.3388,
27.8047

■ 38.9880, 50.0416,
77.5521

■ 6.0007, 9.0575,
17.9407

■ 54.1939, 68.1768,
102.2482

■ 2.8862, 4.7787,
10.7384

■ 72.9142, 90.2365,
131.6986

■ 1.0939, 2.1180,
5.7793

■ 95.5142, 116.6051,
166.3220

■ 0.0200, 0.6747,
2.6447

■ 122.3592,
147.6669, 206.5369

■ 0.0000, 0.0000,
0.9154

■ 153.8146,

■ 0.0000, 0.0000,

183.8064, 252.7617

0.0000

190.2458,
225.4079, 305.4151

■ 17.6578, 24.0070,
40.7489

■ 17.6578, 24.0070,
40.7489

■ 17.6576, 24.0066,
40.7493

■ 18.2028, 24.7582,
40.8656

■ 18.9442, 25.6183,
40.9926

■ 19.9607, 26.6284,
41.1340

■ 21.2875, 27.8066,
41.2915

■ 22.9542, 29.1682,
41.4664

■ 24.9872, 30.7269,
41.6601

■ 27.4101, 32.4949,
41.8737

■ 30.2444, 34.4833,
42.1081

■ 33.5103, 36.7025,
42.3643

Harmonies

Analogous

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



16.4776, 24.0070, 29.0446



17.6578, 24.0070, 40.7489



20.2490, 24.0070, 49.9009

Triad

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



17.6578, 24.0070, 40.7489



30.0576, 24.0070, 34.5627



21.8529, 24.0070, 10.7180

Complementary

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



17.6578, 24.0070, 40.7489



16.3995, 8.8263, 0.8402

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.



25.5955, 24.0070, 11.4511



17.6578, 24.0070, 40.7489



30.6060, 24.0070, 23.4350

Square

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



17.6578, 24.0070, 40.7489



27.4700, 24.0070, 45.7096



28.8965, 24.0070, 15.5204



18.7232, 24.0070, 13.1456

Rectangle

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



17.6578, 24.0070, 40.7489



22.5606, 24.0070, 52.2128



28.8965, 24.0070, 15.5204



23.0772, 24.0070, 10.6186

Sweetspot

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



17.6586, 24.0079, 40.7495



49.4695, 58.7732, 75.9621



14.1261, 28.0550, 5.3151



10.3805, 12.5198, 16.5216



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.6586, 24.0079, 40.7495



31.9377, 43.3543, 73.9100



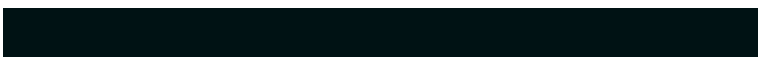
8.9254, 6.5416, 37.8384



7.6702, 8.3773, 9.6311



13.3588, 18.1777, 30.7801



0.3457, 0.4836, 0.7558

Inverse Universe

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



21.4944, 10.4638, 28.9047



38.9506, 18.9654, 52.1710



21.0601, 18.1477, 2.3937



7.8029, 7.6510, 9.2792



16.2435, 7.9061, 21.8915



0.4056, 0.1965, 0.5876

Previews

White Background



This preview shows how the XYZ color 17.6578, 24.0070, 40.7489 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 17.6578, 24.0070, 40.7489 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

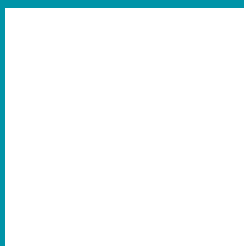
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6578, 24.0070, 40.7489

Background



This preview shows how black text looks on a background with the XYZ color 17.6578, 24.0070, 40.7489.



This preview shows how white text looks on a background with the XYZ color 17.6578, 24.0070,

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

17.6578, 24.0070, 40.7489

Protanopia

23.5266, 23.8765, 35.2669

Deuteranopia

24.3151, 23.7232, 42.3272



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



Original Color

17.6578, 24.0070, 40.7489

Protanomaly

19.0012, 22.5440, 37.0682

Deuteranomaly

19.6897, 22.5809, 41.8489

Tritanomaly

17.4483, 24.1752, 38.8686

Monochromacy



Original Color

17.6578, 24.0070, 40.7489

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1146, 16.4530, 23.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6578, 24.0070, 40.7489 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, 148, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 168)  
}
```

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, 148, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 168) }
```

Border

The CSS property to change the border of an element to XYZ 17.6578, 24.0070, 40.7489 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, 148, 168) }
```


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

```
.border{ border-color:rgb(0, 148, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6578, 24.0070, 40.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 168) }
```

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

```
.background{ background-color: rgb(0, 148,  
168) }
```

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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