

Converting Colors

XYZ(17.5795, 24.8923, 37.5109)

Have a look what the booklet for
XYZ(17.5795, 24.8923, 37.5109)
contains.

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Color

**XYZ(17.6613, 25.0297,
37.6186)**

Conversions

Conversions Part 1

Format	Color
Hex	0098A1
RGB	0, 152, 161
RGB Percent	0%, 60%, 63%
CMY	0.9999, 0.4039, 0.3686
CMYK	1.00, 0.06, 0.00, 0.37
HSL	183°, 100%, 32%
HSV	183°, 100%, 63%
XYZ	17.6613, 25.0297, 37.6186
YIQ	107.5780, -93.4810, -29.4250

Conversions

Conversions Part 2

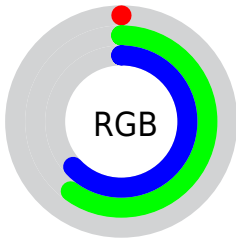
Format	Color
RYB	0, 78, 161
Decimal	39073
CIELab	57.10, -29.79, -14.30
CIELCh	57, 33.039, 205.641
Yxy	25.0297, 0.2199, 0.3117
Android (android.graphics.Color)	4278229153 (0xFF0098A1)
YUV	107.5780, 26.3370, -94.3459
Hunter-Lab	50.0297, -24.5385, -9.5609

Details

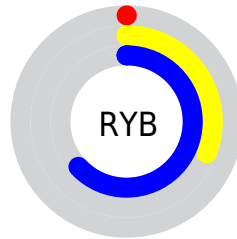
The XYZ color **17.6613, 25.0297, 37.6186** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7963, 7.7733, 0.7214**, and the grayscale version is **14.0862, 14.8198, 16.1387**.

A 20% lighter version of the original color is **39.1211, 51.8588, 72.9136**, and **7.3175, 10.2185, 16.0547** is the 20% darker color. If you saturate the color by 10%, you get **17.6614, 25.0299, 37.6191**, and if you desaturate by 10%, it is **18.0243, 25.4350, 37.6782**.

Distribution



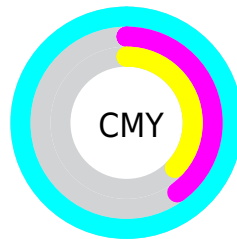
- Red (0%)
- Green (60%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6613, 25.0297, 37.6186 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 17.6613, 25.0297, 37.6186 by changing the saturation by 10% instead.

■ 17.6613, 25.0297,
37.6186

■ 17.6613, 25.0297,
37.6186

■ 232.0377,
277.9858, 351.2300

■ 10.8053, 16.0992,
25.3873

■ 38.9940, 51.7054,
72.7201

■ 6.0024, 9.5944,
16.1442

■ 54.2013, 70.2194,
96.4274

■ 2.8872, 5.1308,
9.4708

■ 72.9232, 92.6966,
124.7970

■ 1.0944, 2.3242,
4.9485

■ 95.5250, 119.5215,
158.2476

■ 0.0204, 0.7865,
2.1589

■ 122.3719,
151.0785, 197.1976

■ 0.0000, 0.0000,
0.6505

■ 153.8295,

■ 0.0000, 0.0000,

187.7520, 242.0657

0.0000

190.2629,
229.9263, 293.2703

■ 17.6613, 25.0297,
37.6186

■ 17.6613, 25.0297,
37.6186

■ 17.6614, 25.0299,
37.6191

■ 18.0243, 25.4350,
37.6782

■ 18.5590, 25.9300,
37.7455

■ 19.3396, 26.5534,
37.8247

■ 20.3974, 27.3214,
37.9172

■ 21.7593, 28.2478,
38.0242

■ 23.4488, 29.3448,
38.1469

■ 25.4872, 30.6232,
38.2863

■ 27.8938, 32.0932,
38.4432

■ 30.6867, 33.7640,
38.6184

Harmonies

Analogous

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



17.0813, 25.0297, 25.6563



17.6613, 25.0297, 37.6186



19.8116, 25.0297, 49.0493

Triad

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



17.6613, 25.0297, 37.6186



30.5176, 25.0297, 41.2262



24.3633, 25.0297, 10.9825

Complementary

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



17.6613, 25.0297, 37.6186



14.7963, 7.7733, 0.7214

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.



28.2682, 25.0297, 13.1135



17.6613, 25.0297, 37.6186



32.0588, 25.0297, 28.9148

Square

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



17.6613, 25.0297, 37.6186



27.1773, 25.0297, 51.4994



31.1940, 25.0297, 18.9914



20.6965, 25.0297, 12.1384

Rectangle

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



17.6613, 25.0297, 37.6186



21.9820, 25.0297, 53.7333



31.1940, 25.0297, 18.9914



25.6945, 25.0297, 11.3173

Sweetspot

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



17.6621, 25.0306, 37.6192



45.4144, 54.7003, 68.5512



12.7897, 25.5080, 4.4814



9.6307, 11.7915, 15.0120



76.7382, 80.7346, 87.9200



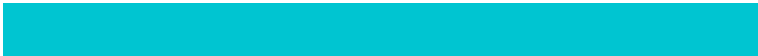
13.3056, 13.9985, 15.2444

Same Dimension

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



17.6621, 25.0306, 37.6192



31.5806, 44.7276, 67.3553



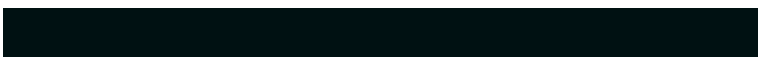
8.7812, 7.2688, 34.6589



7.2421, 7.9431, 9.0545



14.1155, 20.0103, 30.0482



0.3061, 0.4395, 0.6346

Inverse Universe

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



20.3662, 9.8449, 30.5335



36.4480, 17.6200, 54.5502



18.2345, 14.6497, 1.8675



7.3471, 7.1953, 8.8145



16.2703, 7.8642, 24.4118



0.3467, 0.1672, 0.5383

Previews

White Background



This preview shows how the XYZ color 17.6613, 25.0297, 37.6186 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 17.6613, 25.0297, 37.6186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

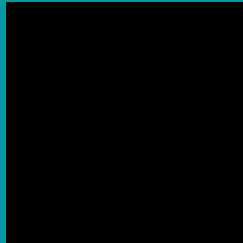
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6613, 25.0297, 37.6186

Background



This preview shows how black text looks on a background with the XYZ color 17.6613, 25.0297, 37.6186.

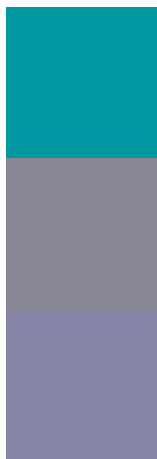


This preview shows how white text looks on a background with the XYZ color 17.6613, 25.0297,

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

17.6613, 25.0297, 37.6186

Protanopia

24.1607, 24.6809, 32.3446

Deuteranopia

25.1707, 24.6426, 39.0272



Tritanopia

18.1261, 25.2384, 39.0381

Trichromacy



Original Color

17.6613, 25.0297, 37.6186

Protanomaly

19.1954, 23.3613, 34.0693

Deuteranomaly

19.9167, 23.4149, 38.5918

Tritanomaly

17.9643, 25.1653, 38.5609

Monochromacy



Original Color

17.6613, 25.0297, 37.6186

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4927, 17.2128, 22.6899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6613, 25.0297, 37.6186 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 161) }
```

Border

The CSS property to change the border of an element to XYZ 17.6613, 25.0297, 37.6186 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, 161) }
```


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

```
.border{ border-color:rgb(0, 152, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6613, 25.0297, 37.6186 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, 161) }
```

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

```
.background{ background-color: rgb(0, 152,  
161) }
```

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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