

Converting Colors

XYZ(2.4873, 14.8788, 34.5970)

Have a look what the booklet for
XYZ(2.4873, 14.8788, 34.5970)
contains.

XYZ(15.7588, 21.7803, 35.2717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.7588, 21.7803,
35.2717)**

Conversions

Conversions Part 1

Format	Color
Hex	008E9D
RGB	0, 142, 157
RGB Percent	0%, 56%, 62%
CMY	0.9999, 0.4431, 0.3843
CMYK	1.00, 0.10, 0.00, 0.38
HSL	186°, 100%, 31%
HSV	186°, 100%, 62%
XYZ	15.7588, 21.7803, 35.2717
YIQ	101.2520, -89.4470, -25.4390

Conversions

Conversions Part 2

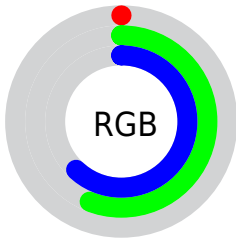
Format	Color
RYB	0, 75, 157
Decimal	36509
CIELab	53.79, -26.15, -17.02
CIELCh	54, 31.203, 213.066
Yxy	21.7803, 0.2164, 0.2991
Android (android.graphics.Color)	4278226589 (0xFF008E9D)
YUV	101.2520, 27.4838, -88.7980
Hunter-Lab	46.6694, -21.3975, -12.1415

Details

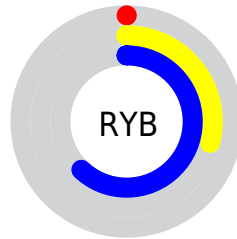
The XYZ color **15.7588, 21.7803, 35.2717** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0761, 7.5106, 0.7086**, and the grayscale version is **12.3848, 13.0298, 14.1894**.

A 20% lighter version of the original color is **35.7434, 46.3572, 69.3513**, and **6.3426, 8.5228, 14.9464** is the 20% darker color. If you saturate the color by 10%, you get **15.7588, 21.7801, 35.2721**, and if you desaturate by 10%, it is **16.1929, 22.3381, 35.3569**.

Distribution



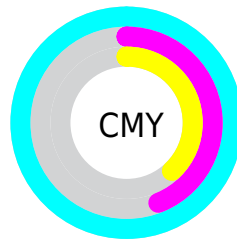
- Red (0%)
- Green (56%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7588, 21.7803, 35.2717 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 15.7588, 21.7803, 35.2717 by changing the saturation by 10% instead.

■ 15.7588, 21.7803,
35.2717

■ 15.7588, 21.7803,
35.2717

■ 221.2127,
261.3968, 340.7066

■ 9.4434, 13.6956,
23.5870

■ 35.7398, 46.3826,
69.0628

■ 5.0909, 7.9092,
14.8182

■ 50.1361, 63.6690,
92.0063

■ 2.3360, 4.0369,
8.5467

■ 67.9568, 84.7913,
119.5398

■ 0.8130, 1.6942,
4.3540

■ 89.5671, 110.1341,
152.0819

■ 0.0000, 0.4199,
1.8215

■ 115.3325,
140.0816, 190.0511

■ 0.0000, 0.0000,
0.4421

■ 145.6184,

■ 0.0000, 0.0000,

175.0183, 233.8659

0.0000

180.7900,
215.3286, 283.9449

■ 15.7588, 21.7803,
35.2717

■ 15.7588, 21.7803,
35.2717

■ 15.7588, 21.7801,
35.2721

■ 16.1929, 22.3381,
35.3569

■ 16.7896, 22.9838,
35.4501

■ 17.6205, 23.7547,
35.5551

■ 18.7151, 24.6660,
35.6733

■ 20.0983, 25.7307,
35.8059

■ 21.7924, 26.9602,
35.9539

■ 23.8173, 28.3648,
36.1183

■ 26.1914, 29.9540,
36.2999

■ 28.9315, 31.7364,
36.4996

Harmonies

Analogous

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



14.9123, 21.7803, 24.7155



15.7588, 21.7803, 35.2717



17.9186, 21.7803, 44.2575

Triad

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



15.7588, 21.7803, 35.2717



26.9918, 21.7803, 33.0915



20.3589, 21.7803, 9.6515

Complementary

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



15.7588, 21.7803, 35.2717



14.0761, 7.5106, 0.7086

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.



23.7586, 21.7803, 10.7771



15.7588, 21.7803, 35.2717



27.8232, 21.7803, 22.7420

Square

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



15.7588, 21.7803, 35.2717



24.4187, 21.7803, 42.7787



26.5827, 21.7803, 15.0065



17.3821, 21.7803, 11.3709

Rectangle

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



15.7588, 21.7803, 35.2717



19.9335, 21.7803, 47.1470



26.5827, 21.7803, 15.0065



21.4890, 21.7803, 9.7112

Sweetspot

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



15.7595, 21.7811, 35.2722



42.4211, 50.6393, 64.6653



12.1308, 24.1437, 4.4053



9.0106, 10.9203, 14.2033



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7595, 21.7811, 35.2722



28.1452, 38.8519, 63.1425



8.0015, 6.2650, 32.6862



6.7677, 7.4011, 8.4785



12.8135, 17.7186, 28.6519



0.2432, 0.3451, 0.5170

Inverse Universe

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



18.7877, 9.1218, 26.3624



33.6069, 16.3194, 47.0056



17.6971, 14.7526, 1.9156



6.8768, 6.7436, 8.2024



15.2659, 7.4109, 21.4489



0.2801, 0.1354, 0.4211

Previews

White Background



This preview shows how the XYZ color 15.7588, 21.7803, 35.2717 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 15.7588, 21.7803, 35.2717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

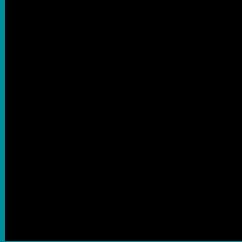
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7588, 21.7803, 35.2717

Background



This preview shows how black text looks on a background with the XYZ color 15.7588, 21.7803, 35.2717.

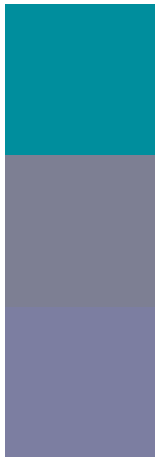


This preview shows how white text looks on a background with the XYZ color 15.7588, 21.7803,

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

15.7588, 21.7803, 35.2717

Protanopia

21.3133, 21.6453, 30.6584

Deuteranopia

22.2061, 21.7800, 36.7518



Tritanopia

15.5057, 21.6791, 33.9391

Trichromacy



Original Color

15.7588, 21.7803, 35.2717

Protanomaly

17.1454, 20.4424, 32.3203

Deuteranomaly

17.8209, 20.7029, 36.3145

Tritanomaly

15.5894, 21.7126, 34.3796

Monochromacy



Original Color

15.7588, 21.7803, 35.2717

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.8109, 14.9612, 20.3545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7588, 21.7803, 35.2717 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, 142, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 157)  
}
```

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, 142, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 157) }
```

Border

The CSS property to change the border of an element to XYZ 15.7588, 21.7803, 35.2717 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, 142, 157) }
```


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

```
.border{ border-color:rgb(0, 142, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7588, 21.7803, 35.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 157) }
```

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

```
.background{ background-color: rgb(0, 142,  
157) }
```

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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