

Converting Colors

XYZ(17.3344, 23.6927, 39.6158)

Have a look what the booklet for
XYZ(17.3344, 23.6927, 39.6158)
contains.

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Color

**XYZ(17.3167, 23.6206,
39.7229)**

Conversions

Conversions Part 1

Format	Color
Hex	0093A6
RGB	0, 147, 166
RGB Percent	0%, 58%, 65%
CMY	0.9999, 0.4235, 0.3490
CMYK	1.00, 0.11, 0.00, 0.35
HSL	187°, 100%, 33%
HSV	187°, 100%, 65%
XYZ	17.3167, 23.6206, 39.7229
YIQ	105.2130, -93.7110, -25.2550

Conversions

Conversions Part 2

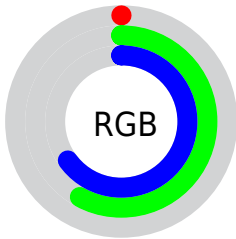
Format	Color
RYB	0, 78, 166
Decimal	37798
CIELab	55.71, -25.63, -19.28
CIELCh	56, 32.067, 216.953
Yxy	23.6206, 0.2147, 0.2928
Android (android.graphics.Color)	4278227878 (0xFF0093A6)
YUV	105.2130, 29.9680, -92.2718
Hunter-Lab	48.6010, -21.4517, -14.4386

Details

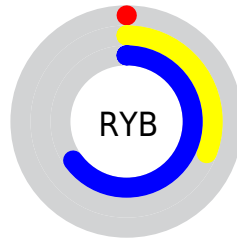
The XYZ color **17.3167, 23.6206, 39.7229** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9597, 8.5741, 0.8148**, and the grayscale version is **13.4276, 14.1268, 15.3841**.

A 20% lighter version of the original color is **38.3514, 49.2691, 75.8952**, and **7.2201, 9.5806, 17.3883** is the 20% darker color. If you saturate the color by 10%, you get **17.3164, 23.6200, 39.7232**, and if you desaturate by 10%, it is **17.8397, 24.3330, 39.8333**.

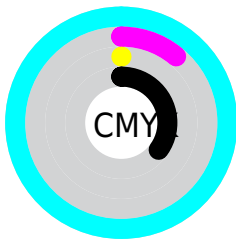
Distribution



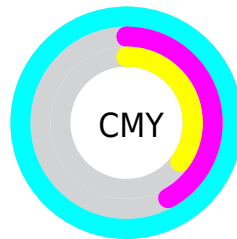
- Red (0%)
- Green (58%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3167, 23.6206, 39.7229 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 17.3167, 23.6206, 39.7229 by changing the saturation by 10% instead.

■ 17.3167, 23.6206,
39.7229

■ 17.3167, 23.6206,
39.7229

230.1117,
270.8967, 360.4716

■ 10.5572, 15.0524,
27.0104

■ 38.4088, 49.4104,
75.9738

■ 5.8350, 8.8562,
17.3485

■ 53.4721, 67.4007,
100.3494

■ 2.7847, 4.6475,
10.3187

■ 72.0341, 89.3006,
129.4497

■ 1.0410, 2.0420,
5.5024

■ 94.4602, 115.4944,
163.6933

■ 0.0000, 0.6317,
2.4811

■ 121.1156,
146.3666, 203.4987

■ 0.0000, 0.0000,
0.8301

■ 152.3657,

■ 0.0000, 0.0000,

182.3014, 249.2846

0.0000

188.5760,
223.6833, 301.4693

■ 17.3167, 23.6206,
39.7229

■ 17.3167, 23.6206,
39.7229

■ 17.3164, 23.6200,
39.7232

■ 17.8397, 24.3330,
39.8333

■ 18.5526, 25.1501,
39.9534

■ 19.5330, 26.1124,
40.0875

■ 20.8146, 27.2374,
40.2371

■ 22.4266, 28.5401,
40.4036

■ 24.3942, 30.0335,
40.5881

■ 26.7405, 31.7295,
40.7919

■ 29.4864, 33.6391,
41.0157

■ 32.6514, 35.7723,
41.2606

Harmonies

Analogous

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



16.2041, 23.6206, 28.2183



17.3167, 23.6206, 39.7229



19.8246, 23.6206, 48.8789

Triad

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



17.3167, 23.6206, 39.7229



29.5141, 23.6206, 34.3760



21.6154, 23.6206, 10.5292

Complementary

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



17.3167, 23.6206, 39.7229



15.9597, 8.5741, 0.8148

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.



25.2989, 23.6206, 11.3492



17.3167, 23.6206, 39.7229



30.1260, 23.6206, 23.3715

Square

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



17.3167, 23.6206, 39.7229



26.9189, 23.6206, 45.2553



28.5106, 23.6206, 15.4665



18.5065, 23.6206, 12.8120

Rectangle

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



17.3167, 23.6206, 39.7229



22.0813, 23.6206, 51.3260



28.5106, 23.6206, 15.4665



22.8242, 23.6206, 10.4638

Sweetspot

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



17.3175, 23.6214, 39.7235



48.2650, 57.3970, 74.0102



13.7351, 27.3123, 5.0632



10.3989, 12.5567, 16.5277



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.



17.3175, 23.6214, 39.7235



31.3278, 42.6685, 72.0600



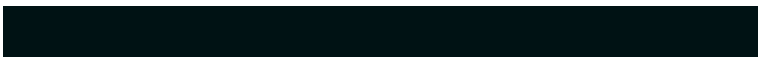
8.8564, 6.6993, 36.9031



7.6732, 8.3832, 9.6320



13.4495, 18.3592, 30.8103



0.3472, 0.4867, 0.7563

Inverse Universe

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



20.9931, 10.2145, 28.4697



38.0485, 18.5164, 51.4015



20.2466, 17.1478, 2.2438



7.8044, 7.6516, 9.2870



16.2893, 7.9244, 22.1328



0.4064, 0.1968, 0.5916

Previews

White Background



This preview shows how the XYZ color 17.3167, 23.6206, 39.7229 looks on a white background.

Color Contrast Check

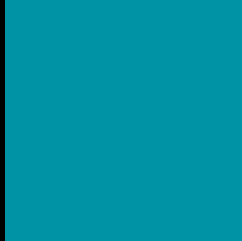
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3167, 23.6206, 39.7229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

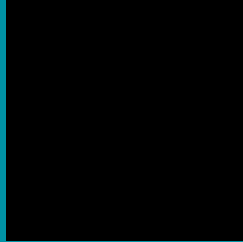
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3167, 23.6206, 39.7229

Background



This preview shows how black text looks on a background with the XYZ color 17.3167, 23.6206, 39.7229.

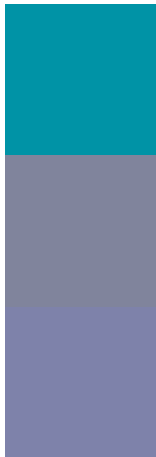


This preview shows how white text looks on a background with the XYZ color 17.3167, 23.6206,

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

17.3167, 23.6206, 39.7229

Protanopia

23.1541, 23.4920, 34.7666

Deuteranopia

23.8425, 23.3032, 41.2715



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

17.3167, 23.6206, 39.7229

Protanomaly

18.6842, 22.1787, 36.5539

Deuteranomaly

19.2739, 22.1784, 40.8011

Tritanomaly

17.1115, 23.7884, 37.8722

Monochromacy



Original Color

17.3167, 23.6206, 39.7229

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8620, 16.1585, 22.5197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3167, 23.6206, 39.7229 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, 147, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 166)  
}
```

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, 147, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.3167, 23.6206, 39.7229 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, 147, 166) }
```


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

```
.border{ border-color:rgb(0, 147, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3167, 23.6206, 39.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 166) }
```

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

```
.background{ background-color: rgb(0, 147,  
166) }
```

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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