

Converting Colors

XYZ(17.5718, 23.2294, 42.5873)

Have a look what the booklet for
XYZ(17.5718, 23.2294, 42.5873)
contains.

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Color

**XYZ(17.5718, 23.2294,
42.5873)**

Conversions

Conversions Part 1

Format	Color
Hex	0091AC
RGB	0, 145, 172
RGB Percent	0%, 57%, 67%
CMY	0.9999, 0.4314, 0.3255
CMYK	1.00, 0.16, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.5718, 23.2294, 42.5873
YIQ	104.7230, -95.0870, -22.3430

Conversions

Conversions Part 2

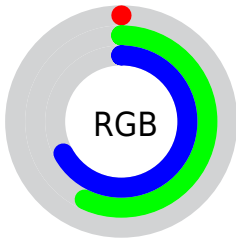
Format	Color
RYB	0, 79, 172
Decimal	37292
CIELab	55.31, -22.52, -23.32
CIELCh	55, 32.421, 225.993
Yxy	23.2294, 0.2107, 0.2786
Android (android.graphics.Color)	4278227372 (0xFF0091AC)
YUV	104.7230, 33.1676, -91.8421
Hunter-Lab	48.1969, -19.2664, -18.6515

Details

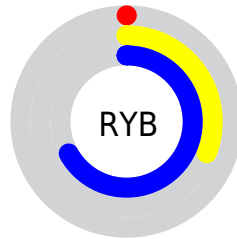
The XYZ color **17.5718, 23.2294, 42.5873** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.4062, 9.5560, 0.9279**, and the grayscale version is **13.2868, 13.9788, 15.2229**.

A 20% lighter version of the original color is **38.8028, 48.7201, 80.0318**, and **7.3929, 9.3615, 19.1866** is the 20% darker color. If you saturate the color by 10%, you get **17.5715, 23.2286, 42.5876**, and if you desaturate by 10%, it is **18.2251, 24.1865, 42.7381**.

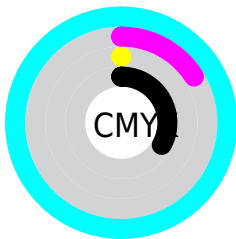
Distribution



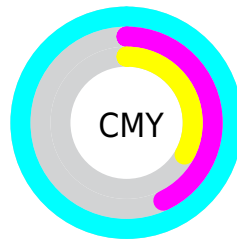
- Red (0%)
- Green (57%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5718, 23.2294, 42.5873 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 17.5718, 23.2294, 42.5873 by changing the saturation by 10% instead.

■ 17.5718, 23.2294,
42.5873

■ 17.5718, 23.2294,
42.5873

231.5388,
268.9011, 372.7830

■ 10.7408, 14.7630,
29.2324

■ 38.8421, 48.7697,
80.3674

■ 5.9588, 8.6532,
19.0096

■ 54.0122, 66.6124,
105.6297

■ 2.8605, 4.5157,
11.5004

■ 72.6927, 88.3494,
135.6982

■ 1.0804, 1.9660,
6.2861

■ 95.2490, 114.3649,
170.9915

■ 0.0086, 0.5876,
2.9482

■ 122.0464,
145.0434, 211.9280

■ 0.0000, 0.0000,
1.0682

■ 153.4502,

■ 0.0000, 0.0000,

180.7694, 258.9265

0.0000

189.8260,
221.9271, 312.4053

■ 17.5718, 23.2294,
42.5873

■ 17.5718, 23.2294,
42.5873

■ 17.5715, 23.2286,
42.5876

■ 18.2251, 24.1865,
42.7381

■ 19.0912, 25.2675,
42.9011

■ 20.2518, 26.5151,
43.0807

■ 21.7442, 27.9486,
43.2788

■ 23.6000, 29.5844,
43.4967

■ 25.8471, 31.4370,
43.7358

■ 28.5105, 33.5193,
43.9974

■ 31.6132, 35.8433,
44.2824

■ 35.1764, 38.4201,
44.5920

Harmonies

Analogous

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



16.0205, 23.2294, 31.2162



17.5718, 23.2294, 42.5873



20.4305, 23.2294, 50.0989

Triad

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



17.5718, 23.2294, 42.5873



29.5754, 23.2294, 30.4518



20.2093, 23.2294, 10.5217

Complementary

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



17.5718, 23.2294, 42.5873



17.4062, 9.5560, 0.9279

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.



23.8135, 23.2294, 10.4220



17.5718, 23.2294, 42.5873



29.4993, 23.2294, 20.1707

Square

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



17.5718, 23.2294, 42.5873



27.4950, 23.2294, 41.8971



27.2974, 23.2294, 13.4580



17.4252, 23.2294, 13.7825

Rectangle

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



17.5718, 23.2294, 42.5873



22.8164, 23.2294, 50.8687



27.2974, 23.2294, 13.4580



21.3574, 23.2294, 10.1554

Sweetspot

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



17.5726, 23.2302, 42.5879



51.4329, 60.5873, 79.7895



14.9376, 29.5794, 5.8892



10.7334, 12.8236, 17.2972



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.5726, 23.2302, 42.5879



31.7431, 41.8719, 77.2148



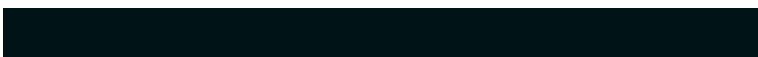
9.0743, 6.2336, 39.7551



8.1276, 8.8547, 10.2334



13.1088, 17.3514, 31.7028



0.3929, 0.5392, 0.8914

Inverse Universe

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



22.1248, 10.8158, 27.7105



40.0684, 19.5928, 49.9109



22.7870, 20.3175, 2.7215



8.2822, 8.1261, 9.7971



16.4803, 8.0547, 20.7067



0.4727, 0.2298, 0.6512

Previews

White Background



This preview shows how the XYZ color 17.5718, 23.2294, 42.5873 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 17.5718, 23.2294, 42.5873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

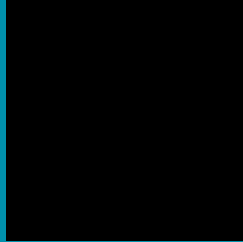
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5718, 23.2294, 42.5873

Background



This preview shows how black text looks on a background with the XYZ color 17.5718, 23.2294, 42.5873.

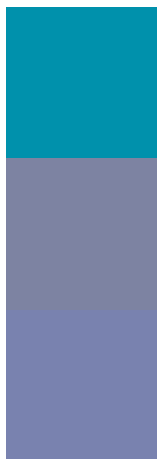


This preview shows how white text looks on a background with the XYZ color 17.5718, 23.2294,

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

17.5718, 23.2294, 42.5873

Protanopia

23.0953, 23.2012, 37.4434

Deuteranopia

23.6057, 23.1254, 43.7769



Tritanopia

16.6053, 23.3361, 35.9769

Trichromacy



Original Color

17.5718, 23.2294, 42.5873

Protanomaly

18.9954, 22.0670, 39.3346

Deuteranomaly

19.3645, 21.9617, 43.2628

Tritanomaly

16.8897, 23.2021, 38.2386

Monochromacy



Original Color

17.5718, 23.2294, 42.5873

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9937, 16.2112, 23.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5718, 23.2294, 42.5873 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, 145, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 172)  
}
```

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, 145, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 172) }
```

Border

The CSS property to change the border of an element to XYZ 17.5718, 23.2294, 42.5873 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, 145, 172) }
```


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

```
.border{ border-color:rgb(0, 145, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5718, 23.2294, 42.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 172) }
```

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

```
.background{ background-color: rgb(0, 145,  
172) }
```

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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