

Converting Colors

XYZ(15.3086, 21.1868, 51.7382)

Have a look what the booklet for
XYZ(15.3086, 21.1868, 51.7382)
contains.

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Color

**XYZ(18.9673, 23.0637,
52.1673)**

Conversions

Conversions Part 1

Format	Color
Hex	008EBE
RGB	0, 142, 190
RGB Percent	0%, 56%, 75%
CMY	0.9998, 0.4431, 0.2549
CMYK	1.00, 0.25, 0.00, 0.25
HSL	195°, 100%, 37%
HSV	195°, 100%, 75%
XYZ	18.9673, 23.0637, 52.1673
YIQ	105.0140, -100.0400, -15.1760

Conversions

Conversions Part 2

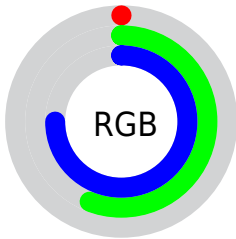
Format	Color
RYB	0, 81, 190
Decimal	36542
CIELab	55.14, -14.44, -33.85
CIELCh	55, 36.799, 246.891
Yxy	23.0637, 0.2014, 0.2448
Android (android.graphics.Color)	4278226622 (0xFF008EBE)
YUV	105.0140, 41.8981, -92.0973
Hunter-Lab	48.0247, -13.5448, -30.7871

Details

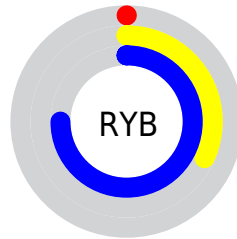
The XYZ color **18.9673, 23.0637, 52.1673** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.2943, 13.0647, 1.3479**, and the grayscale version is **13.3443, 14.0393, 15.2888**.

A 20% lighter version of the original color is **41.3523, 48.6821, 95.2128**, and **8.2711, 9.4319, 24.6772** is the 20% darker color. If you saturate the color by 10%, you get **18.9660, 23.0610, 52.1673**, and if you desaturate by 10%, it is **19.9668, 24.6627, 52.4237**.

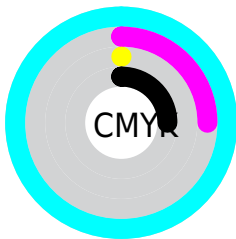
Distribution



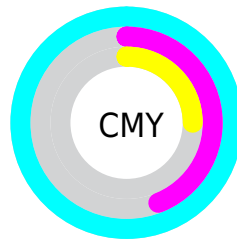
- Red (0%)
- Green (56%)
- Blue (75%)



- Red (0%)
- Yellow (32%)
- Blue (75%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9673, 23.0637, 52.1673 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 18.9673, 23.0637, 52.1673 by changing the saturation by 10% instead.

■ 18.9673, 23.0637,
52.1673

■ 18.9673, 23.0637,
52.1673

■ 239.2098,
268.0520, 412.0575

■ 11.7505, 14.6405,
36.7553

■ 41.1961, 48.4979,
94.8070

■ 6.6450, 8.5675,
24.7238

■ 56.9389, 66.2777,
122.8718

■ 3.2855, 4.4602,
15.6542

■ 76.2544, 87.9453,
155.9913

■ 1.3065, 1.9342,
9.1281

■ 99.5079, 113.8849,
194.5839

■ 0.1880, 0.5688,
4.7269

■ 127.0649,
144.4810, 239.0683

■ 0.0000, 0.0000,
2.0320

■ 159.2906,

■ 0.0000, 0.0000,

180.1179, 289.8630

0.5749

196.5504,
221.1801, 347.3866

■ 0.0000, 0.0000,
0.0000

■ 18.9673, 23.0637,
52.1673

■ 18.9673, 23.0637,
52.1673

■ 18.9660, 23.0610,
52.1673

■ 19.9668, 24.6627,
52.4237

■ 21.2593, 26.4586,
52.7023

■ 22.9406, 28.5018,
53.0080

■ 25.0591, 30.8177,
53.3434

■ 27.6556, 33.4278,
53.7103

■ 30.7660, 36.3513,
54.1107

■ 34.4228, 39.6052,
54.5460

■ 38.6555, 43.2055,
55.0179

■ 43.4915, 47.1667,
55.5276

Harmonies

Analogous

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



16.1956, 23.0637, 41.2719



18.9673, 23.0637, 52.1673



22.8820, 23.0637, 54.9007

Triad

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



18.9673, 23.0637, 52.1673



30.7275, 23.0637, 22.4969



17.5166, 23.0637, 11.0255

Complementary

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



18.9673, 23.0637, 52.1673



22.2943, 13.0647, 1.3479

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.



20.9880, 23.0637, 8.6926



18.9673, 23.0637, 52.1673



28.8589, 23.0637, 13.8407

Square

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



18.9673, 23.0637, 52.1673



30.0114, 23.0637, 35.0696



25.1672, 23.0637, 9.5319



15.4339, 23.0637, 17.2446

Rectangle

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



18.9673, 23.0637, 52.1673



25.6884, 23.0637, 51.1476



25.1672, 23.0637, 9.5319



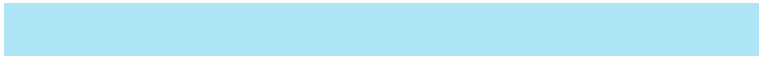
18.5419, 23.0637, 9.8663

Sweetspot

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



18.9681, 23.0645, 52.1679



62.0169, 71.4551, 98.8027



18.9381, 37.0371, 8.8967



12.9745, 15.1244, 21.6208



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.9681, 23.0645, 52.1679



34.1599, 41.3716, 94.4642



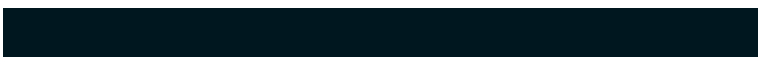
10.3328, 5.7939, 49.2894



9.5989, 10.3902, 12.1718



12.6764, 15.4644, 34.7097



0.5459, 0.7044, 1.3760

Inverse Universe

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



26.1185, 12.9012, 26.7054



47.2223, 23.3342, 47.8303



30.9849, 30.4459, 4.2448



9.8242, 9.6540, 11.4630



17.3992, 8.5908, 17.9277



0.7064, 0.3465, 0.8333

Previews

White Background



This preview shows how the XYZ color 18.9673, 23.0637, 52.1673 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 18.9673, 23.0637, 52.1673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

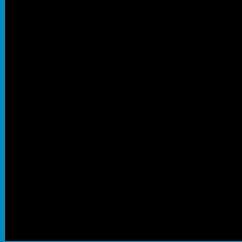
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9673, 23.0637, 52.1673

Background



This preview shows how black text looks on a background with the XYZ color 18.9673, 23.0637, 52.1673.

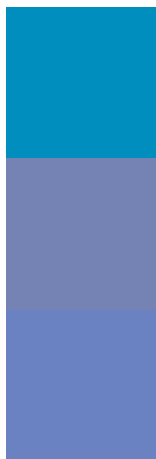


This preview shows how white text looks on a background with the XYZ color 18.9673, 23.0637,

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

18.9673, 23.0637, 52.1673

Protanopia

23.4233, 22.9736, 46.3798

Deuteranopia

23.5521, 22.8797, 53.6270



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

18.9673, 23.0637, 52.1673

Protanomaly

20.0009, 21.9667, 48.5332

Deuteranomaly

20.3543, 22.0493, 53.0523

Tritanomaly

17.2868, 23.1154, 41.0867

Monochromacy



Original Color

18.9673, 23.0637, 52.1673

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2371, 15.9277, 25.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9673, 23.0637, 52.1673 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 190) }
```

Border

The CSS property to change the border of an element to XYZ 18.9673, 23.0637, 52.1673 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, 190) }
```


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

```
.border{ border-color:rgb(0, 142, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9673, 23.0637, 52.1673 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, 190) }
```

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

```
.background{ background-color: rgb(0, 142,  
190) }
```

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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