

Converting Colors

XYZ(18.4398, 22.9298, 49.4183)

Have a look what the booklet for
XYZ(18.4398, 22.9298, 49.4183)
contains.

XYZ(18.4300, 22.8488, 49.3378)	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(18.4300, 22.8488,
49.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	008EB9
RGB	0, 142, 185
RGB Percent	0%, 56%, 73%
CMY	0.9998, 0.4431, 0.2745
CMYK	1.00, 0.23, 0.00, 0.27
HSL	194°, 100%, 36%
HSV	194°, 100%, 73%
XYZ	18.4300, 22.8488, 49.3378
YIQ	104.4440, -98.4350, -16.7310

Conversions

Conversions Part 2

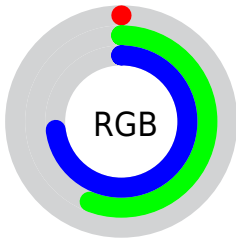
Format	Color
RYB	0, 80, 185
Decimal	36537
CIELab	54.92, -16.27, -31.35
CIELCh	55, 35.319, 242.564
Yxy	22.8488, 0.2034, 0.2521
Android (android.graphics.Color)	4278226617 (0xFF008EB9)
YUV	104.4440, 39.7141, -91.5974
Hunter-Lab	47.8004, -14.8280, -27.7366

Details

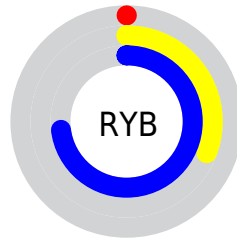
The XYZ color **18.4300, 22.8488, 49.3378** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.8733, 12.0452, 1.2260**, and the grayscale version is **13.1963, 13.8836, 15.1192**.

A 20% lighter version of the original color is **40.3364, 48.2636, 90.4089**, and **7.9920, 9.3202, 23.2076** is the 20% darker color. If you saturate the color by 10%, you get **18.4289, 22.8465, 49.3379**, and if you desaturate by 10%, it is **19.3423, 24.2879, 49.5680**.

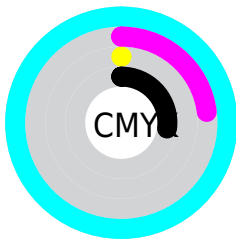
Distribution



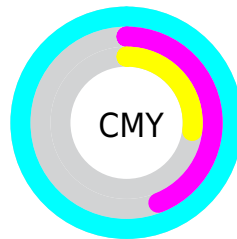
- Red (0%)
- Green (56%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- Blue (73%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4300, 22.8488, 49.3378 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 18.4300, 22.8488, 49.3378 by changing the saturation by 10% instead.

■ 18.4300, 22.8488,
49.3378

■ 18.4300, 22.8488,
49.3378

■ 236.2827,
266.9474, 400.7313

■ 11.3607, 14.4819,
34.5200

■ 40.2930, 48.1449,
90.5791

■ 6.3791, 8.4566,
23.0128

■ 55.8175, 65.8430,
117.8398

■ 3.1198, 4.3885,
14.3976

■ 74.8911, 87.4202,
150.0851

■ 1.2174, 1.8932,
8.2558

■ 97.8791, 113.2609,
187.7337

■ 0.1200, 0.5443,
4.1689

■ 125.1469,
143.7496, 231.2041

■ 0.0000, 0.0000,
1.7185

■ 157.0598,

■ 0.0000, 0.0000,

179.2707, 280.9148

0.3733

193.9833,
220.2085, 337.2843

■ 0.0000, 0.0000,
0.0000

■ 18.4300, 22.8488,
49.3378

■ 18.4300, 22.8488,
49.3378

■ 18.4289, 22.8465,
49.3379

■ 19.3423, 24.2879,
49.5680

■ 20.5244, 25.9027,
49.8173

■ 22.0678, 27.7413,
50.0909

■ 24.0177, 29.8272,
50.3907

■ 26.4122, 32.1806,
50.7188

■ 29.2849, 34.8191,
51.0766

■ 32.6659, 37.7586,
51.4658

■ 36.5830, 41.0138,
51.8877

■ 41.0617, 44.5983,
52.3435

Harmonies

Analogous

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



15.9705, 22.8488, 38.3805



18.4300, 22.8488, 49.3378



22.0557, 22.8488, 53.2292

Triad

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



18.4300, 22.8488, 49.3378



30.1389, 22.8488, 23.9262



17.9120, 22.8488, 10.7730

Complementary

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



18.4300, 22.8488, 49.3378



20.8733, 12.0452, 1.2260

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.



21.3820, 22.8488, 8.9581



18.4300, 22.8488, 49.3378



28.6994, 22.8488, 14.9849

Square

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



18.4300, 22.8488, 49.3378



29.1069, 22.8488, 36.1926



25.3735, 22.8488, 10.2303



15.6976, 22.8488, 16.2084

Rectangle

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



18.4300, 22.8488, 49.3378



24.7357, 22.8488, 50.5702



25.3735, 22.8488, 10.2303



18.9547, 22.8488, 9.8080

Sweetspot

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



18.4308, 22.8496, 49.3384



58.1704, 67.3412, 92.1369



17.7346, 34.8525, 7.8103



11.9743, 14.0309, 19.7987



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.4308, 22.8496, 49.3384



32.8189, 40.5440, 88.3006



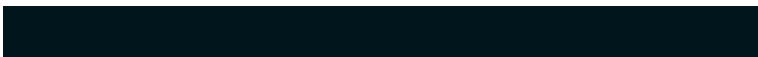
10.0056, 5.9991, 46.5300



9.0849, 9.8471, 11.5013



12.6058, 15.6713, 33.6135



0.4882, 0.6401, 1.1996

Inverse Universe

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



24.8908, 12.2683, 26.6480



44.4825, 21.9324, 47.2225



28.3403, 26.9790, 3.7150



9.2892, 9.1261, 10.8704



16.9765, 8.3644, 18.2949



0.6206, 0.3037, 0.7614

Previews

White Background



This preview shows how the XYZ color 18.4300, 22.8488, 49.3378 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 18.4300, 22.8488, 49.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

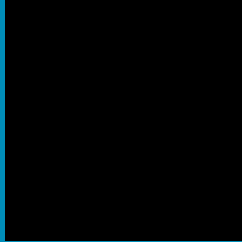
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4300, 22.8488, 49.3378

Background



This preview shows how black text looks on a background with the XYZ color 18.4300, 22.8488, 49.3378.

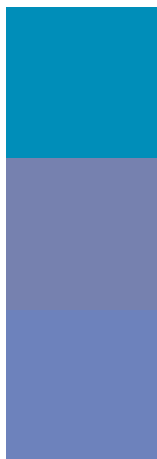


This preview shows how white text looks on a background with the XYZ color 18.4300, 22.8488,

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

18.4300, 22.8488, 49.3378

Protanopia

23.0593, 22.6472, 43.7134

Deuteranopia

23.3664, 22.8473, 50.7554



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

18.4300, 22.8488, 49.3378

Protanomaly

19.5634, 21.8007, 45.8247

Deuteranomaly

19.9490, 21.9033, 50.1900

Tritanomaly

17.1005, 23.0408, 40.1053

Monochromacy



Original Color

18.4300, 22.8488, 49.3378

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9588, 15.8086, 24.5587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4300, 22.8488, 49.3378 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 185) }
```

Border

The CSS property to change the border of an element to XYZ 18.4300, 22.8488, 49.3378 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, 185) }
```


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

```
.border{ border-color:rgb(0, 142, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4300, 22.8488, 49.3378 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, 185) }
```

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

```
.background{ background-color: rgb(0, 142,  
185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor