

Converting Colors

XYZ(16.8948, 21.2663, 44.2391)

Have a look what the booklet for
XYZ(16.8948, 21.2663, 44.2391)
contains.

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Color

**XYZ(16.9250, 21.3115,
44.2958)**

Conversions

Conversions Part 1

Format	Color
Hex	008AB0
RGB	0, 138, 176
RGB Percent	0%, 54%, 69%
CMY	0.9998, 0.4588, 0.3098
CMYK	1.00, 0.22, 0.00, 0.31
HSL	193°, 100%, 35%
HSV	193°, 100%, 69%
XYZ	16.9250, 21.3115, 44.2958
YIQ	101.0700, -94.4460, -17.4380

Conversions

Conversions Part 2

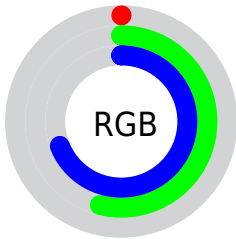
Format	Color
RYB	0, 77, 176
Decimal	35504
CIELab	53.29, -17.36, -28.73
CIELCh	53, 33.568, 238.858
Yxy	21.3115, 0.2051, 0.2582
Android (android.graphics.Color)	4278225584 (0xFF008AB0)
YUV	101.0700, 36.9405, -88.6384
Hunter-Lab	46.1644, -15.3452, -24.5751

Details

The XYZ color **16.9250, 21.3115, 44.2958** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.5993, 10.6191, 1.0706**, and the grayscale version is **12.3161, 12.9575, 14.1108**.

A 20% lighter version of the original color is **37.9293, 45.8526, 83.1953**, and **7.0649, 8.4095, 19.9897** is the 20% darker color. If you saturate the color by 10%, you get **16.9240, 21.3095, 44.2959**, and if you desaturate by 10%, it is **17.7229, 22.5470, 44.4926**.

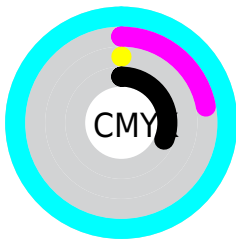
Distribution



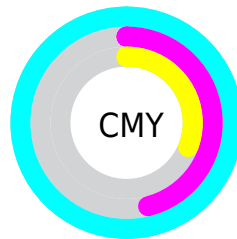
- Red (0%)
- Green (54%)
- Blue (69%)



- Red (0%)
- Yellow (30%)
- Blue (69%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9250, 21.3115, 44.2958 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 16.9250, 21.3115, 44.2958 by changing the saturation by 10% instead.

■ 16.9250, 21.3115,
44.2958

■ 16.9250, 21.3115,
44.2958

■ 227.9045,
258.9293, 379.9906

■ 10.2760, 13.3519,
30.5642

■ 37.7414, 45.6054,
82.9699

■ 5.6460, 7.6713,
20.0116

■ 52.6395, 62.7084,
108.7495

■ 2.6696, 3.8854,
12.2193

■ 71.0181, 83.6281,
139.3821

■ 0.9816, 1.6096,
6.7689

■ 93.2424, 108.7488,
175.2864

■ 0.0000, 0.3641,
3.2417

■ 119.6778,
138.4548, 216.8809

■ 0.0000, 0.0000,
1.2193

■ 150.6897,

■ 0.0000, 0.0000,

173.1307, 264.5840

0.0000

186.6435,
213.1607, 318.8144

■ 16.9250, 21.3115,
44.2958

■ 16.9250, 21.3115,
44.2958

■ 16.9240, 21.3095,
44.2959

■ 17.7229, 22.5470,
44.4926

■ 18.7557, 23.9318,
44.7055

■ 20.1079, 25.5101,
44.9389

■ 21.8190, 27.3027,
45.1947

■ 23.9228, 29.3271,
45.4746

■ 26.4489, 31.5989,
45.7799

■ 29.4239, 34.1321,
46.1121

■ 32.8722, 36.9396,
46.4722

■ 36.8164, 40.0332,
46.8615

Harmonies

Analogous

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



14.8435, 21.3115, 33.9837



16.9250, 21.3115, 44.2958



20.1201, 21.3115, 48.7705

Triad

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



16.9250, 21.3115, 44.2958



27.8808, 21.3115, 23.5967



17.1350, 21.3115, 9.9430

Complementary

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



16.9250, 21.3115, 44.2958



18.5993, 10.6191, 1.0706

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.



20.3924, 21.3115, 8.6273



16.9250, 21.3115, 44.2958



26.8461, 21.3115, 14.9862

Square

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



16.9250, 21.3115, 44.2958



26.6822, 21.3115, 34.8621



23.9975, 21.3115, 10.1662



14.9545, 21.3115, 14.4873

Rectangle

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



16.9250, 21.3115, 44.2958



22.5448, 21.3115, 47.0742



23.9975, 21.3115, 10.1662



18.1275, 21.3115, 9.1796

Sweetspot

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



16.9257, 21.3122, 44.2963



53.0470, 61.6393, 83.5970



15.8329, 31.1740, 6.7910



10.9977, 12.9386, 18.0621



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.9257, 21.3122, 44.2963



30.5216, 38.3027, 80.2798



9.1024, 5.6655, 41.6885



8.5838, 9.3139, 10.8517



12.4613, 15.7230, 32.5150



0.4309, 0.5724, 1.0360

Inverse Universe

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



22.4927, 11.0661, 24.9957



40.7048, 20.0332, 44.8685



25.0143, 23.4491, 3.2089



8.7699, 8.6147, 10.2867



16.5245, 8.1274, 18.4540



0.5395, 0.2636, 0.6839

Previews

White Background



This preview shows how the XYZ color 16.9250, 21.3115, 44.2958 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 16.9250, 21.3115, 44.2958 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 16.9250, 21.3115, 44.2958

Background



This preview shows how black text looks on a background with the XYZ color 16.9250, 21.3115, 44.2958.

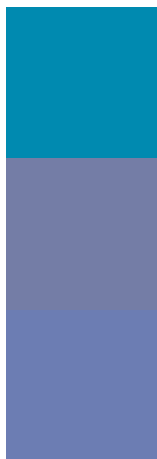


This preview shows how white text looks on a background with the XYZ color 16.9250, 21.3115,

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

16.9250, 21.3115, 44.2958

Protanopia

21.4190, 21.1334, 39.0266

Deuteranopia

21.6546, 21.1100, 45.5811



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

16.9250, 21.3115, 44.2958

Protanomaly

18.0624, 20.3234, 41.0010

Deuteranomaly

18.4728, 20.4448, 45.0921

Tritanomaly

15.8111, 21.3294, 37.0019

Monochromacy



Original Color

16.9250, 21.3115, 44.2958

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0279, 14.6831, 22.6223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9250, 21.3115, 44.2958 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, 138, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 176)  
}
```

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, 138, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.9250, 21.3115, 44.2958 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, 138, 176) }
```


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

```
.border{ border-color:rgb(0, 138, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9250, 21.3115, 44.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 176) }
```

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

```
.background{ background-color: rgb(0, 138,  
176) }
```

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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