

Converting Colors

XYZ(16.2190, 21.5437, 40.1919)

Have a look what the booklet for
XYZ(16.2190, 21.5437, 40.1919)
contains.

XYZ(16.4460, 21.5833, 40.3450)	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(16.4460, 21.5833,
40.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	008CA8
RGB	0, 140, 168
RGB Percent	0%, 55%, 66%
CMY	0.9999, 0.4510, 0.3412
CMYK	1.00, 0.17, 0.00, 0.34
HSL	190°, 100%, 33%
HSV	190°, 100%, 66%
XYZ	16.4460, 21.5833, 40.3450
YIQ	101.3320, -92.4280, -20.9720

Conversions

Conversions Part 2

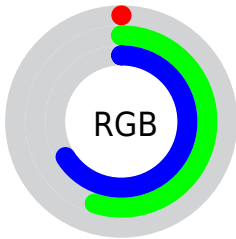
Format	Color
RYB	0, 76, 168
Decimal	36008
CIELab	53.58, -21.30, -23.68
CIELCh	54, 31.854, 228.025
Yxy	21.5833, 0.2098, 0.2754
Android (android.graphics.Color)	4278226088 (0xFF008CA8)
YUV	101.3320, 32.8673, -88.8682
Hunter-Lab	46.4578, -18.1125, -18.9683

Details

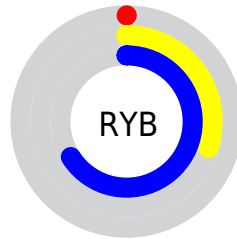
The XYZ color **16.4460, 21.5833, 40.3450** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.5649, 9.1571, 0.8954**, and the grayscale version is **12.3931, 13.0385, 14.1989**.

A 20% lighter version of the original color is **36.9255, 46.1354, 76.7709**, and **6.8086, 8.5733, 17.8190** is the 20% darker color. If you saturate the color by 10%, you get **16.4455, 21.5822, 40.3452**, and if you desaturate by 10%, it is **17.0890, 22.5304, 40.4943**.

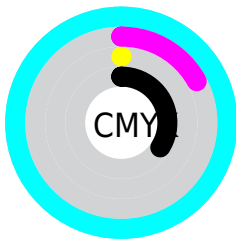
Distribution



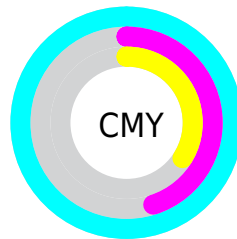
- Red (0%)
- Green (55%)
- Blue (66%)



- Red (0%)
- Yellow (30%)
- Blue (66%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4460, 21.5833, 40.3450 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 16.4460, 21.5833, 40.3450 by changing the saturation by 10% instead.

■ 16.4460, 21.5833,
40.3450

■ 16.4460, 21.5833,
40.3450

■ 225.1783,
260.3624, 363.1708

■ 9.9331, 13.5510,
27.4918

■ 36.9220, 46.0563,
76.9314

■ 5.4166, 7.8091,
17.7072

■ 51.6158, 63.2658,
101.5017

■ 2.5309, 3.9730,
10.5727

■ 69.7674, 84.3033,
130.8148

■ 0.9109, 1.6585,
5.6698

■ 91.7420, 109.5530,
165.2892

■ 0.0000, 0.3966,
2.5798

■ 117.9051,
139.3993, 205.3434

■ 0.0000, 0.0000,
0.8820

■ 148.6219,

■ 0.0000, 0.0000,

174.2267, 251.3961

0.0000

184.2579,
214.4196, 303.8657

■ 16.4460, 21.5833,
40.3450

■ 16.4460, 21.5833,
40.3450

■ 16.4455, 21.5822,
40.3452

■ 17.0890, 22.5304,
40.4943

■ 17.9334, 23.5966,
40.6556

■ 19.0581, 24.8229,
40.8331

■ 20.4982, 26.2276,
41.0283

■ 22.2835, 27.8262,
41.2428

■ 24.4403, 29.6323,
41.4777

■ 26.9922, 31.6581,
41.7342

■ 29.9609, 33.9151,
42.0134

■ 33.3665, 36.4137,
42.3162

Harmonies

Analogous

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



14.9054, 21.5833, 29.7819



16.4460, 21.5833, 40.3450



19.1878, 21.5833, 46.9805

Triad

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



16.4460, 21.5833, 40.3450



27.5956, 21.5833, 27.6023



18.5575, 21.5833, 9.8161

Complementary

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



16.4460, 21.5833, 40.3450



16.5649, 9.1571, 0.8954

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.



21.9005, 21.5833, 9.5331



16.4460, 21.5833, 40.3450



27.3785, 21.5833, 18.1710

Square

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



16.4460, 21.5833, 40.3450



25.7673, 21.5833, 38.3748



25.2036, 21.5833, 12.1502



16.0286, 21.5833, 13.0727

Rectangle

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



16.4460, 21.5833, 40.3450



21.4404, 21.5833, 47.3369



25.2036, 21.5833, 12.1502



19.6152, 21.5833, 9.4109

Sweetspot

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



16.4467, 21.5841, 40.3455



48.6963, 57.2267, 75.7044



14.2132, 28.0898, 5.7732



10.1912, 12.1412, 16.4585



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.



16.4467, 21.5841, 40.3455



29.7064, 38.8916, 73.1662



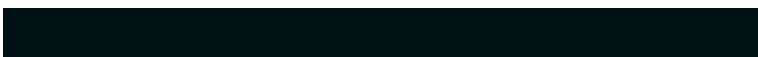
8.4837, 5.6580, 37.6912



7.6395, 8.3160, 9.6208



12.4509, 16.3619, 30.4774



0.3303, 0.4528, 0.7506

Inverse Universe

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



20.8828, 10.2192, 25.6834



37.8243, 18.5149, 46.2402



21.9443, 19.9160, 2.6886



7.7874, 7.6448, 9.1977



15.7852, 7.7228, 19.4783



0.3979, 0.1934, 0.5467

Previews

White Background



This preview shows how the XYZ color 16.4460, 21.5833, 40.3450 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 16.4460, 21.5833, 40.3450 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

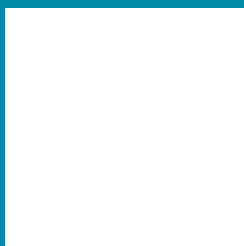
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4460, 21.5833, 40.3450

Background



This preview shows how black text looks on a background with the XYZ color 16.4460, 21.5833, 40.3450.

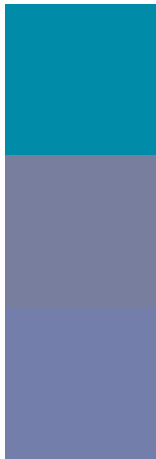


This preview shows how white text looks on a background with the XYZ color 16.4460, 21.5833,

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

16.4460, 21.5833, 40.3450

Protanopia

21.3781, 21.3834, 35.3484

Deuteranopia

21.8818, 21.5068, 41.5260



Tritanopia

15.4228, 21.6459, 33.5022

Trichromacy



Original Color

16.4460, 21.5833, 40.3450

Protanomaly

17.6184, 20.3777, 37.1871

Deuteranomaly

18.1197, 20.5513, 41.0420

Tritanomaly

15.6964, 21.5184, 35.6739

Monochromacy



Original Color

16.4460, 21.5833, 40.3450

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9468, 14.8321, 21.6353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4460, 21.5833, 40.3450 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, 140, 168)` looks like.

```
.text, #text, p{  
  color:rgb(0, 140, 168)  
}
```

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, 140, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.4460, 21.5833, 40.3450 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, 140, 168) }
```


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

```
.border{ border-color:rgb(0, 140, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4460, 21.5833, 40.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 168) }
```

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

```
.background{ background-color: rgb(0, 140,  
168) }
```

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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