

Converting Colors

XYZ(6.7904, 16.9336, 38.0481)

Have a look what the booklet for
XYZ(6.7904, 16.9336, 38.0481)
contains.

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Color

**XYZ(16.2257, 21.7301,
38.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	008DA4
RGB	0, 141, 164
RGB Percent	0%, 55%, 64%
CMY	0.9999, 0.4471, 0.3569
CMYK	1.00, 0.14, 0.00, 0.36
HSL	188°, 100%, 32%
HSV	188°, 100%, 64%
XYZ	16.2257, 21.7301, 38.4611
YIQ	101.4630, -91.4190, -22.7390

Conversions

Conversions Part 2

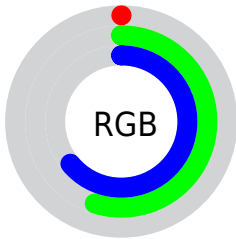
Format	Color
RYB	0, 76, 164
Decimal	36260
CIELab	53.74, -23.23, -21.14
CIELCh	54, 31.409, 222.298
Yxy	21.7301, 0.2123, 0.2844
Android (android.graphics.Color)	4278226340 (0xFF008DA4)
YUV	101.4630, 30.8307, -88.9831
Hunter-Lab	46.6156, -19.4459, -16.2875

Details

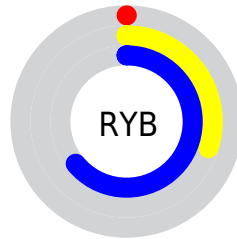
The XYZ color **16.2257, 21.7301, 38.4611** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.6171, 8.5064, 0.8195**, and the grayscale version is **12.4313, 13.0787, 14.2427**.

A 20% lighter version of the original color is **36.6157, 46.3688, 74.0381**, and **6.5808, 8.4822, 16.6196** is the 20% darker color. If you saturate the color by 10%, you get **16.2256, 21.7296, 38.4614**, and if you desaturate by 10%, it is **16.7899, 22.5301, 38.5862**.

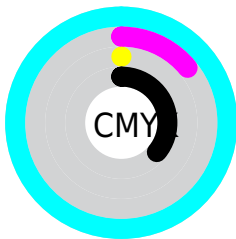
Distribution



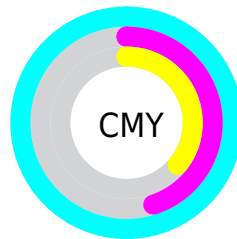
- Red (0%)
- Green (55%)
- Blue (64%)



- Red (0%)
- Yellow (30%)
- Blue (64%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2257, 21.7301, 38.4611 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 16.2257, 21.7301, 38.4611 by changing the saturation by 10% instead.

■ 16.2257, 21.7301,
38.4611

■ 16.2257, 21.7301,
38.4611

■ 223.9142,
261.1335, 354.9512

■ 9.7759, 13.6587,
26.0362

■ 36.5439, 46.2995,
74.0256

■ 5.3117, 7.8837,
16.6247

■ 51.1429, 63.5663,
98.0022

■ 2.4679, 4.0206,
9.8081

■ 69.1891, 84.6671,
126.6664

■ 0.8791, 1.6851,
5.1680

■ 91.0477, 109.9861,
160.4369

■ 0.0000, 0.4140,
2.2857

■ 117.0842,
139.9079, 199.7320

■ 0.0000, 0.0000,
0.7232

■ 147.6639,

■ 0.0000, 0.0000,

174.8168, 244.9704

0.0000

183.1521,
215.0972, 296.5706

■ 16.2257, 21.7301,
38.4611

■ 16.2257, 21.7301,
38.4611

■ 16.2256, 21.7296,
38.4614

■ 16.7899, 22.5301,
38.5862

■ 17.5403, 23.4363,
38.7216

■ 18.5531, 24.4883,
38.8712

■ 19.8614, 25.7032,
39.0368

■ 21.4930, 27.0956,
39.2196

■ 23.4727, 28.6782,
39.4207

■ 25.8229, 30.4625,
39.6412

■ 28.5639, 32.4593,
39.8822

■ 31.7146, 34.6781,
40.1444

Harmonies

Analogous

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



14.9520, 21.7301, 27.8337



16.2257, 21.7301, 38.4611



18.7471, 21.7301, 46.0846

Triad

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



16.2257, 21.7301, 38.4611



27.4558, 21.7301, 29.7578



19.3052, 21.7301, 9.7745

Complementary

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



16.2257, 21.7301, 38.4611



15.6171, 8.5064, 0.8195

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.



22.6856, 21.7301, 10.0276



16.2257, 21.7301, 38.4611



27.6472, 21.7301, 19.9266

Square

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



16.2257, 21.7301, 38.4611



25.3245, 21.7301, 40.1952



25.8221, 21.7301, 13.2471



16.5959, 21.7301, 12.4251

Rectangle

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



16.2257, 21.7301, 38.4611



20.9145, 21.7301, 47.4436



25.8221, 21.7301, 13.2471



20.3952, 21.7301, 9.5485

Sweetspot

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



16.2264, 21.7309, 38.4616



46.6059, 55.0958, 71.9305



13.4197, 26.6089, 5.1822



9.8023, 11.7546, 15.6897



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.2264, 21.7309, 38.4616



29.3362, 39.2113, 69.7747



8.3250, 5.9280, 35.8278



7.1910, 7.8411, 9.0375



12.4669, 16.7131, 29.4987



0.2837, 0.3947, 0.6271

Inverse Universe

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



20.1182, 9.8163, 26.0345



36.4581, 17.7935, 46.9464



20.2481, 17.7685, 2.3632



7.3214, 7.1850, 8.6789



15.4382, 7.5313, 20.0298



0.3354, 0.1626, 0.4787

Previews

White Background



This preview shows how the XYZ color 16.2257, 21.7301, 38.4611 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 16.2257, 21.7301, 38.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

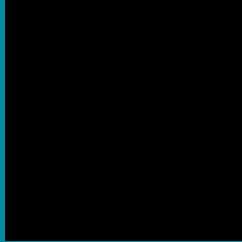
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2257, 21.7301, 38.4611

Background



This preview shows how black text looks on a background with the XYZ color 16.2257, 21.7301, 38.4611.



This preview shows how white text looks on a background with the XYZ color 16.2257, 21.7301,

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

16.2257, 21.7301, 38.4611

Protanopia

21.4481, 21.6494, 33.6202

Deuteranopia

22.0437, 21.6337, 39.5731



Tritanopia

15.5057, 21.6791, 33.9391

Trichromacy



Original Color

16.2257, 21.7301, 38.4611

Protanomaly

17.5647, 20.5909, 35.3964

Deuteranomaly

17.9797, 20.5223, 39.0900

Tritanomaly

15.8446, 21.8146, 35.7233

Monochromacy



Original Color

16.2257, 21.7301, 38.4611

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9978, 15.0360, 21.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2257, 21.7301, 38.4611 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, 141, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 164)  
}
```

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, 141, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 164) }
```

Border

The CSS property to change the border of an element to XYZ 16.2257, 21.7301, 38.4611 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, 141, 164) }
```


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

```
.border{ border-color:rgb(0, 141, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2257, 21.7301, 38.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 164) }
```

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

```
.background{ background-color: rgb(0, 141,  
164) }
```

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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