

Converting Colors

XYZ(6.5889, 17.5792, 34.8675)

Have a look what the booklet for
XYZ(6.5889, 17.5792, 34.8675)
contains.

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Color

**XYZ(16.0591, 22.3808,
35.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	00909D
RGB	0, 144, 157
RGB Percent	0%, 56%, 62%
CMY	0.9999, 0.4353, 0.3843
CMYK	1.00, 0.08, 0.00, 0.38
HSL	185°, 100%, 31%
HSV	185°, 100%, 62%
XYZ	16.0591, 22.3808, 35.3718
YIQ	102.4260, -89.9970, -26.4850

Conversions

Conversions Part 2

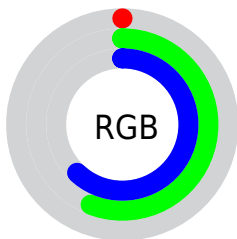
Format	Color
RYB	0, 75, 157
Decimal	37021
CIELab	54.43, -27.16, -16.06
CIElCh	54, 31.548, 210.598
Yxy	22.3808, 0.2176, 0.3032
Android (android.graphics.Color)	4278227101 (0xFF00909D)
YUV	102.4260, 26.9050, -89.8276
Hunter-Lab	47.3084, -22.1967, -11.2145

Details

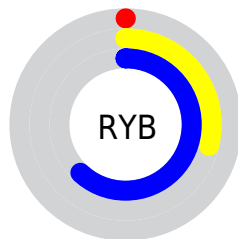
The XYZ color **16.0591, 22.3808, 35.3718** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0493, 7.4569, 0.6998**, and the grayscale version is **12.6921, 13.3531, 14.5415**.

A 20% lighter version of the original color is **36.2942, 47.3153, 69.5072**, and **6.5159, 8.8693, 15.0042** is the 20% darker color. If you saturate the color by 10%, you get **16.0590, 22.3806, 35.3722**, and if you desaturate by 10%, it is **16.4666, 22.8854, 35.4481**.

Distribution



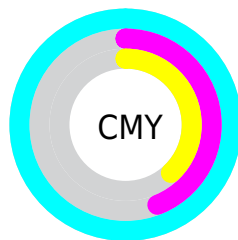
- Red (0%)
- Green (56%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0591, 22.3808, 35.3718 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 16.0591, 22.3808, 35.3718 by changing the saturation by 10% instead.

■ 16.0591, 22.3808,
35.3718

■ 16.0591, 22.3808,
35.3718

■ 222.9537,
264.5285, 341.1604

■ 9.6571, 14.1370,
23.6636

■ 36.2574, 47.3746,
69.2194

■ 5.2327, 8.2160,
14.8744

■ 50.7844, 64.8933,
92.1959

■ 2.4206, 4.2335,
8.5856

■ 68.7504, 86.2725,
119.7656

■ 0.8554, 1.8050,
4.3788

■ 90.5209, 111.8965,
152.3470

■ 0.0000, 0.4903,
1.8354

■ 116.4611,
142.1497, 190.3586

■ 0.0000, 0.0000,
0.4511

■ 146.9364,

■ 0.0000, 0.0000,

177.4165, 234.2190

0.0000

182.3121,
218.0813, 284.3468

■ 16.0591, 22.3808,
35.3718

■ 16.0591, 22.3808,
35.3718

■ 16.0590, 22.3806,
35.3722

■ 16.4666, 22.8854,
35.4481

■ 17.0360, 23.4763,
35.5322

■ 17.8389, 24.1910,
35.6278

■ 18.9046, 25.0446,
35.7364

■ 20.2583, 26.0501,
35.8592

■ 21.9221, 27.2189,
35.9971

■ 23.9160, 28.5612,
36.1511

■ 26.2583, 30.0866,
36.3220

■ 28.9658, 31.8038,
36.5108

Harmonies

Analogous

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



15.3059, 22.3808, 24.5677



16.0591, 22.3808, 35.3718



18.1797, 22.3808, 44.9441

Triad

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



16.0591, 22.3808, 35.3718



27.5890, 22.3808, 34.9335



21.2031, 22.3808, 9.8831

Complementary

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



16.0591, 22.3808, 35.3718



14.0493, 7.4569, 0.6998

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.



24.6971, 22.3808, 11.2844



16.0591, 22.3808, 35.3718



28.6170, 22.3808, 24.1712

Square

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



16.0591, 22.3808, 35.3718



24.8298, 22.3808, 44.6466



27.5068, 22.3808, 15.9231



18.0719, 22.3808, 11.4035

Rectangle

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



16.0591, 22.3808, 35.3718



20.2072, 22.3808, 48.3208



27.5068, 22.3808, 15.9231



22.3742, 22.3808, 10.0230

Sweetspot

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



16.0598, 22.3816, 35.3723



42.5999, 50.9969, 64.7249



12.1151, 24.1375, 4.3220



9.0548, 11.0086, 14.2180



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.0598, 22.3816, 35.3723



28.6919, 39.9453, 63.3247



8.1565, 6.5751, 32.7379



6.7749, 7.4155, 8.4809



13.0556, 18.2028, 28.7326



0.2459, 0.3503, 0.5179

Inverse Universe

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



18.9393, 9.1826, 27.1605



33.8828, 16.4298, 48.4587



17.4758, 14.3099, 1.8419



6.8804, 6.7451, 8.2216



15.3881, 7.4598, 22.0924



0.2814, 0.1359, 0.4280

Previews

White Background



This preview shows how the XYZ color 16.0591, 22.3808, 35.3718 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 16.0591, 22.3808, 35.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

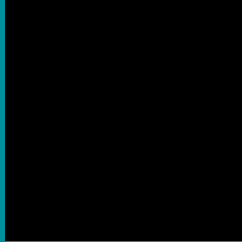
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0591, 22.3808, 35.3718

Background



This preview shows how black text looks on a background with the XYZ color 16.0591, 22.3808, 35.3718.

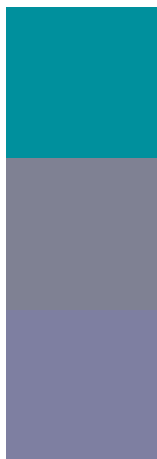


This preview shows how white text looks on a background with the XYZ color 16.0591, 22.3808,

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

16.0591, 22.3808, 35.3718

Protanopia

21.8691, 22.3191, 30.7592

Deuteranopia

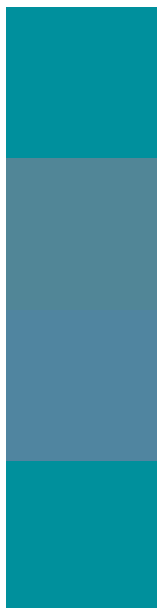
22.6266, 22.1876, 36.8083



Tritanopia

15.9740, 22.3468, 34.9239

Trichromacy



Original Color

16.0591, 22.3808, 35.3718

Protanomaly

17.5044, 21.0339, 32.4155

Deuteranomaly

18.0410, 21.0186, 36.3638

Tritanomaly

15.9740, 22.3468, 34.9239

Monochromacy



Original Color

16.0591, 22.3808, 35.3718

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0541, 15.2515, 20.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0591, 22.3808, 35.3718 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, 144, 157)` looks like.

```
.text, #text, p{  
  color:rgb(0, 144, 157)  
}
```

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, 144, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.0591, 22.3808, 35.3718 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, 144, 157) }
```


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

```
.border{ border-color:rgb(0, 144, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0591, 22.3808, 35.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 157) }
```

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

```
.background{ background-color: rgb(0, 144,  
157) }
```

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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