

Converting Colors

XYZ(11.0724, 19.2210, 38.6385)

Have a look what the booklet for
XYZ(11.0724, 19.2210, 38.6385)
contains.

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Color

**XYZ(16.4645, 22.0626,
38.9880)**

Conversions

Conversions Part 1

Format	Color
Hex	008EA5
RGB	0, 142, 165
RGB Percent	0%, 56%, 65%
CMY	0.9999, 0.4431, 0.3529
CMYK	1.00, 0.14, 0.00, 0.35
HSL	188°, 100%, 32%
HSV	188°, 100%, 65%
XYZ	16.4645, 22.0626, 38.9880
YIQ	102.1640, -92.0150, -22.9510

Conversions

Conversions Part 2

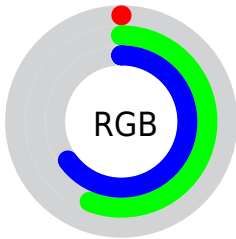
Format	Color
RYB	0, 76, 165
Decimal	36517
CIELab	54.09, -23.40, -21.17
CIElCh	54, 31.558, 222.133
Yxy	22.0626, 0.2124, 0.2846
Android (android.graphics.Color)	4278226597 (0xFF008EA5)
YUV	102.1640, 30.9781, -89.5978
Hunter-Lab	46.9708, -19.6301, -16.3339

Details

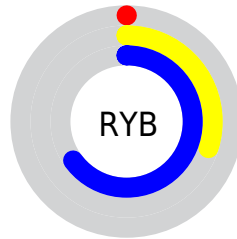
The XYZ color **16.4645, 22.0626, 38.9880** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8243, 8.6133, 0.8293**, and the grayscale version is **12.6133, 13.2701, 14.4512**.

A 20% lighter version of the original color is **36.9726, 46.8713, 74.8086**, and **6.7217, 8.6744, 16.9428** is the 20% darker color. If you saturate the color by 10%, you get **16.4643, 22.0621, 38.9883**, and if you desaturate by 10%, it is **17.0335, 22.8697, 39.1142**.

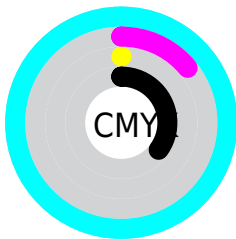
Distribution



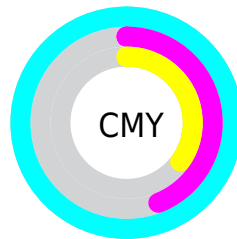
- Red (0%)
- Green (56%)
- Blue (65%)



- Red (0%)
- Yellow (30%)
- Blue (65%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4645, 22.0626, 38.9880 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 16.4645, 22.0626, 38.9880 by changing the saturation by 10% instead.

■ 16.4645, 22.0626,
38.9880

■ 16.4645, 22.0626,
38.9880

■ 225.2842,
262.8730, 357.2639

■ 9.9464, 13.9029,
26.4426

■ 36.9537, 46.8494,
74.8401

■ 5.4254, 8.0532,
16.9263

■ 51.6555, 64.2454,
98.9840

■ 2.5363, 4.1290,
10.0206

■ 69.8159, 85.4888,
127.8310

■ 0.9136, 1.7460,
5.3068

■ 91.8002, 110.9642,
161.7999

■ 0.0000, 0.4532,
2.3665

■ 117.9739,
141.0560, 201.3091

■ 0.0000, 0.0000,
0.7681

■ 148.7022,

■ 0.0000, 0.0000,

176.1484, 246.7771

0.0000

184.3505,
216.6260, 298.6225

■ 16.4645, 22.0626,
38.9880

■ 16.4645, 22.0626,
38.9880

■ 16.4643, 22.0621,
38.9883

■ 17.0335, 22.8697,
39.1142

■ 17.7917, 23.7844,
39.2508

■ 18.8159, 24.8469,
39.4019

■ 20.1395, 26.0744,
39.5691

■ 21.7911, 27.4818,
39.7537

■ 23.7957, 29.0819,
39.9569

■ 26.1760, 30.8865,
40.1798

■ 28.9526, 32.9063,
40.4233

■ 32.1447, 35.1513,
40.6884

Harmonies

Analogous

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



15.1792, 22.0626, 28.1988



16.4645, 22.0626, 38.9880



19.0177, 22.0626, 46.7544

Triad

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



16.4645, 22.0626, 38.9880



27.8664, 22.0626, 30.2713



19.6188, 22.0626, 9.9211

Complementary

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



16.4645, 22.0626, 38.9880



15.8243, 8.6133, 0.8293

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.



23.0512, 22.0626, 10.1938



16.4645, 22.0626, 38.9880



28.0725, 22.0626, 20.2802

Square

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



16.4645, 22.0626, 38.9880



25.6942, 22.0626, 40.8556



26.2301, 22.0626, 13.4801



16.8633, 22.0626, 12.5945

Rectangle

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



16.4645, 22.0626, 38.9880



21.2153, 22.0626, 48.1628



26.2301, 22.0626, 13.4801



20.7262, 22.0626, 9.6970

Sweetspot

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



16.4652, 22.0634, 38.9885



46.6190, 55.1219, 71.9348



13.6007, 26.9687, 5.2489



9.8055, 11.7610, 15.6908



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.



16.4652, 22.0634, 38.9885



29.3741, 39.2871, 69.7873



8.4350, 6.0030, 36.3118



7.1916, 7.8421, 9.0377



12.4825, 16.7444, 29.5039



0.2839, 0.3951, 0.6272

Inverse Universe

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



20.4001, 9.9531, 26.4379



36.4772, 17.8012, 47.0471



20.5192, 18.0032, 2.3942



7.3217, 7.1851, 8.6803



15.4461, 7.5345, 20.0713



0.3355, 0.1627, 0.4793

Previews

White Background



This preview shows how the XYZ color 16.4645, 22.0626, 38.9880 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 16.4645, 22.0626, 38.9880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

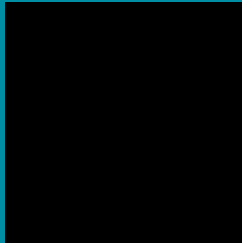
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4645, 22.0626, 38.9880

Background



This preview shows how black text looks on a background with the XYZ color 16.4645, 22.0626, 38.9880.

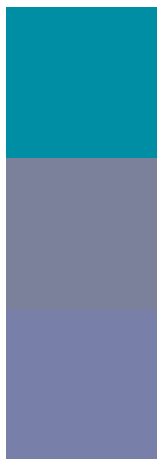


This preview shows how white text looks on a background with the XYZ color 16.4645, 22.0626,

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

16.4645, 22.0626, 38.9880

Protanopia

21.8039, 22.0159, 34.1106

Deuteranopia

22.4030, 21.9990, 40.1112



Tritanopia

15.7389, 22.0115, 34.4295

Trichromacy



Original Color

16.4645, 22.0626, 38.9880

Protanomaly

17.7874, 20.8980, 35.8971

Deuteranomaly

18.2068, 20.8290, 39.6200

Tritanomaly

16.0805, 22.1481, 36.2284

Monochromacy



Original Color

16.4645, 22.0626, 38.9880

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2429, 15.3271, 21.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4645, 22.0626, 38.9880 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.4645, 22.0626, 38.9880 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, 165) }
```


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

```
.border{ border-color:rgb(0, 142, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4645, 22.0626, 38.9880 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, 165) }
```

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

```
.background{ background-color: rgb(0, 142,  
165) }
```

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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