

Converting Colors

XYZ(14.2643, 21.0235, 39.4043)

Have a look what the booklet for
XYZ(14.2643, 21.0235, 39.4043)
contains.

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Color

**XYZ(16.5559, 22.0992,
39.4694)**

Conversions

Conversions Part 1

Format	Color
Hex	008EA6
RGB	0, 142, 166
RGB Percent	0%, 56%, 65%
CMY	0.9999, 0.4431, 0.3490
CMYK	1.00, 0.14, 0.00, 0.35
HSL	189°, 100%, 33%
HSV	189°, 100%, 65%
XYZ	16.5559, 22.0992, 39.4694
YIQ	102.2780, -92.3360, -22.6400

Conversions

Conversions Part 2

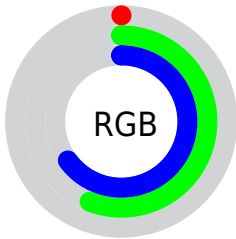
Format	Color
RYB	0, 77, 166
Decimal	36518
CIELab	54.13, -23.06, -21.69
CIElCh	54, 31.652, 223.247
Yxy	22.0992, 0.2119, 0.2829
Android (android.graphics.Color)	4278226598 (0xFF008EA6)
YUV	102.2780, 31.4149, -89.6978
Hunter-Lab	47.0098, -19.4030, -16.8730

Details

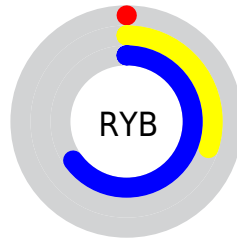
The XYZ color **16.5559, 22.0992, 39.4694** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0533, 8.7613, 0.8457**, and the grayscale version is **12.6418, 13.3001, 14.4839**.

A 20% lighter version of the original color is **37.1055, 46.9245, 75.5083**, and **6.7783, 8.6971, 17.2410** is the 20% darker color. If you saturate the color by 10%, you get **16.5558, 22.0988, 39.4698**, and if you desaturate by 10%, it is **17.1418, 22.9376, 39.6008**.

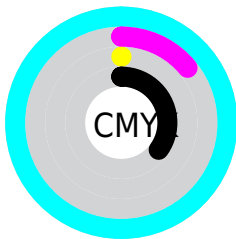
Distribution



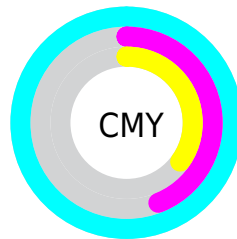
- Red (0%)
- Green (56%)
- Blue (65%)



- 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 16.5559, 22.0992, 39.4694 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 16.5559, 22.0992, 39.4694 by changing the saturation by 10% instead.

■ 16.5559, 22.0992,
39.4694

■ 16.5559, 22.0992,
39.4694

■ 225.8065,
263.0639, 359.3674

■ 10.0117, 13.9298,
26.8145

■ 37.1103, 46.9099,
75.5831

■ 5.4690, 8.0719,
17.2027

■ 51.8513, 64.3200,
99.8789

■ 2.5626, 4.1410,
10.2156

■ 70.0552, 85.5791,
128.8921

■ 0.9269, 1.7527,
5.4347

■ 92.0874, 111.0717,
163.0412

■ 0.0000, 0.4574,
2.4413

■ 118.3133,
141.1820, 202.7447

■ 0.0000, 0.0000,
0.8088

■ 149.0982,

■ 0.0000, 0.0000,

176.2946, 248.4212

0.0000

184.8075,
216.7937, 300.4893

■ 16.5559, 22.0992,
39.4694

■ 16.5559, 22.0992,
39.4694

■ 16.5558, 22.0988,
39.4698

■ 17.1418, 22.9376,
39.6008

■ 17.9204, 23.8863,
39.7429

■ 18.9693, 24.9860,
39.8998

■ 20.3224, 26.2541,
40.0733

■ 22.0086, 27.7056,
40.2646

■ 24.0534, 29.3537,
40.4749

■ 26.4797, 31.2104,
40.7054

■ 29.3087, 33.2865,
40.9571

■ 32.5598, 35.5922,
41.2307

Harmonies

Analogous

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



15.2146, 22.0992, 28.6572



16.5559, 22.0992, 39.4694



19.1596, 22.0992, 47.0704

Triad

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



16.5559, 22.0992, 39.4694



27.9771, 22.0992, 29.9302



19.5287, 22.0992, 9.9577

Complementary

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



16.5559, 22.0992, 39.4694



16.0533, 8.7613, 0.8457

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.



22.9644, 22.0992, 10.1248



16.5559, 22.0992, 39.4694



28.1038, 22.0992, 19.9868

Square

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



16.5559, 22.0992, 39.4694



25.8572, 22.0992, 40.6173



26.1864, 22.0992, 13.2989



16.8006, 22.0992, 12.7560

Rectangle

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



16.5559, 22.0992, 39.4694



21.3806, 22.0992, 48.2877



26.1864, 22.0992, 13.2989



20.6331, 22.0992, 9.6976

Sweetspot

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



16.5566, 22.1000, 39.4699



47.7866, 56.4401, 73.8507



13.7830, 27.3315, 5.3159



10.2785, 12.3159, 16.4876



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.



16.5566, 22.1000, 39.4699



29.9267, 39.8664, 71.5930



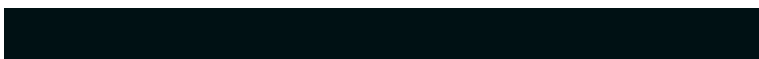
8.5458, 6.0783, 36.7997



7.6537, 8.3444, 9.6256



12.8643, 17.1887, 30.6152



0.3374, 0.4669, 0.7530

Inverse Universe

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



20.6090, 10.0607, 26.4477



37.3413, 18.2336, 47.6774



20.7923, 18.2394, 2.4254



7.7946, 7.6477, 9.2354



15.9939, 7.8063, 20.5771



0.4014, 0.1948, 0.5654

Previews

White Background



This preview shows how the XYZ color 16.5559, 22.0992, 39.4694 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 16.5559, 22.0992, 39.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

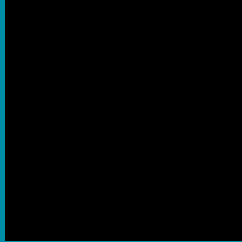
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5559, 22.0992, 39.4694

Background



This preview shows how black text looks on a background with the XYZ color 16.5559, 22.0992, 39.4694.



This preview shows how white text looks on a background with the XYZ color 16.5559, 22.0992,

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

16.5559, 22.0992, 39.4694

Protanopia

21.8883, 22.0496, 34.5548

Deuteranopia

22.3586, 21.9653, 40.5974



Tritanopia

15.7389, 22.0115, 34.4295

Trichromacy



Original Color

16.5559, 22.0992, 39.4694

Protanomaly

17.8746, 20.9328, 36.3561

Deuteranomaly

18.2996, 20.8662, 40.1089

Tritanomaly

16.0805, 22.1481, 36.2284

Monochromacy



Original Color

16.5559, 22.0992, 39.4694

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 16.5559, 22.0992, 39.4694 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.5559, 22.0992, 39.4694 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, 166) }
```


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

```
.border{ border-color:rgb(0, 142, 166) }
```

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, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5559, 22.0992, 39.4694 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, 166) }
```

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

```
.background{ background-color: rgb(0, 142,  
166) }
```

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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