

Converting Colors

XYZ(5.6164, 16.5770, 39.0566)

Have a look what the booklet for
XYZ(5.6164, 16.5770, 39.0566)
contains.

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Color

**XYZ(16.7054, 22.3981,
39.5192)**

Conversions

Conversions Part 1

Format	Color
Hex	008FA6
RGB	0, 143, 166
RGB Percent	0%, 56%, 65%
CMY	0.9999, 0.4392, 0.3490
CMYK	1.00, 0.14, 0.00, 0.35
HSL	188°, 100%, 33%
HSV	188°, 100%, 65%
XYZ	16.7054, 22.3981, 39.5192
YIQ	102.8650, -92.6110, -23.1630

Conversions

Conversions Part 2

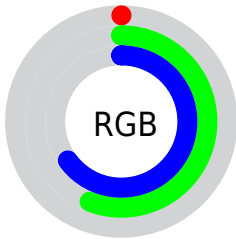
Format	Color
RYB	0, 77, 166
Decimal	36774
CIELab	54.45, -23.57, -21.20
CIELCh	54, 31.707, 221.969
Yxy	22.3981, 0.2125, 0.2849
Android (android.graphics.Color)	4278226854 (0xFF008FA6)
YUV	102.8650, 31.1256, -90.2126
Hunter-Lab	47.3266, -19.8145, -16.3803

Details

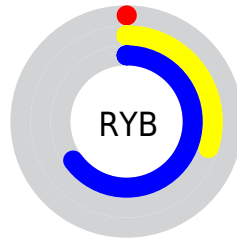
The XYZ color **16.7054, 22.3981, 39.5192** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0332, 8.7211, 0.8391**, and the grayscale version is **12.7970, 13.4634, 14.6617**.

A 20% lighter version of the original color is **37.3318, 47.3771, 75.5837**, and **6.8644, 8.8692, 17.2697** is the 20% darker color. If you saturate the color by 10%, you get **16.7052, 22.3975, 39.5195**, and if you desaturate by 10%, it is **17.2793, 23.2123, 39.6465**.

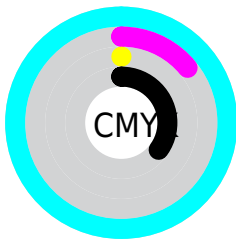
Distribution



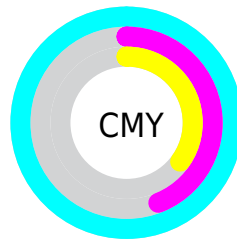
- Red (0%)
- Green (56%)
- Blue (65%)



- 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 16.7054, 22.3981, 39.5192 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 16.7054, 22.3981, 39.5192 by changing the saturation by 10% instead.

■ 16.7054, 22.3981,
39.5192

■ 16.7054, 22.3981,
39.5192

■ 226.6584,
264.6183, 359.5845

■ 10.1187, 14.1497,
26.8529

■ 37.3662, 47.4031,
75.6599

■ 5.5406, 8.2249,
17.2313

■ 52.1710, 64.9285,
99.9714

■ 2.6058, 4.2392,
10.2359

■ 70.4458, 86.3150,
129.0017

■ 0.9489, 1.8082,
5.4480

■ 92.5561, 111.9470,
163.1694

■ 0.0000, 0.4923,
2.4491

■ 118.8671,
142.2090, 202.8929

■ 0.0000, 0.0000,
0.8130

■ 149.7443,

■ 0.0000, 0.0000,

177.4852, 248.5910

0.0000

185.5529,
218.1602, 300.6820

■ 16.7054, 22.3981,
39.5192

■ 16.7054, 22.3981,
39.5192

■ 16.7052, 22.3975,
39.5195

■ 17.2793, 23.2123,
39.6465

■ 18.0453, 24.1357,
39.7844

■ 19.0809, 25.2087,
39.9369

■ 20.4201, 26.4489,
40.1057

■ 22.0918, 27.8713,
40.2922

■ 24.1215, 29.4891,
40.4975

■ 26.5321, 31.3141,
40.7227

■ 29.3447, 33.3572,
40.9688

■ 32.5787, 35.6286,
41.2368

Harmonies

Analogous

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



15.4086, 22.3981, 28.5669



16.7054, 22.3981, 39.5192



19.2905, 22.3981, 47.4299

Triad

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



16.7054, 22.3981, 39.5192



28.2805, 22.3981, 30.7899



19.9354, 22.3981, 10.0691

Complementary

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



16.7054, 22.3981, 39.5192



16.0332, 8.7211, 0.8391

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.



23.4203, 22.3981, 10.3617



16.7054, 22.3981, 39.5192



28.5017, 22.3981, 20.6374

Square

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



16.7054, 22.3981, 39.5192



26.0670, 22.3981, 41.5224



26.6419, 22.3981, 13.7155



17.1332, 22.3981, 12.7653

Rectangle

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



16.7054, 22.3981, 39.5192



21.5187, 22.3981, 48.8884



26.6419, 22.3981, 13.7155



21.0604, 22.3981, 9.8468

Sweetspot

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



16.7061, 22.3989, 39.5198



47.8817, 56.6304, 73.8824



13.7831, 27.3315, 5.3162



10.3024, 12.3637, 16.4956



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.



16.7061, 22.3989, 39.5198



30.2017, 40.4164, 71.6846



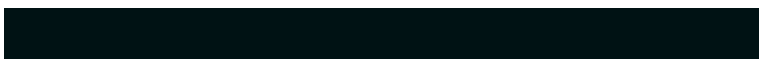
8.5460, 6.0787, 36.7997



7.6576, 8.3522, 9.6269



12.9792, 17.4186, 30.6535



0.3393, 0.4708, 0.7536

Inverse Universe

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



20.6845, 10.0910, 26.8449



37.4801, 18.2891, 48.4084



20.7926, 18.2398, 2.4256



7.7965, 7.6485, 9.2457



16.0519, 7.8295, 20.8826



0.4024, 0.1952, 0.5706

Previews

White Background



This preview shows how the XYZ color 16.7054, 22.3981, 39.5192 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 16.7054, 22.3981, 39.5192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

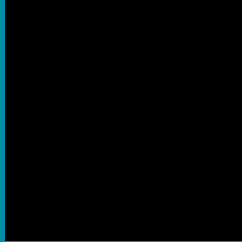
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7054, 22.3981, 39.5192

Background



This preview shows how black text looks on a background with the XYZ color 16.7054, 22.3981, 39.5192.



This preview shows how white text looks on a background with the XYZ color 16.7054, 22.3981,

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

16.7054, 22.3981, 39.5192

Protanopia

22.0321, 22.1237, 34.5616

Deuteranopia

22.8600, 22.4056, 41.1501



Tritanopia

15.9740, 22.3468, 34.9239

Trichromacy



Original Color

16.7054, 22.3981, 39.5192

Protanomaly

17.9571, 20.9754, 36.3599

Deuteranomaly

18.6095, 21.2174, 40.6507

Tritanomaly

16.3184, 22.4846, 36.7376

Monochromacy



Original Color

16.7054, 22.3981, 39.5192

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4911, 15.6215, 22.0956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7054, 22.3981, 39.5192 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, 143, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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, 143, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.7054, 22.3981, 39.5192 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, 143, 166) }
```


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

```
.border{ border-color:rgb(0, 143, 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, 143, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7054, 22.3981, 39.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 166) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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