

Converting Colors

XYZ(15.3531, 20.8233, 39.9044)

Have a look what the booklet for
XYZ(15.3531, 20.8233, 39.9044)
contains.

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Color

**XYZ(16.2077, 21.2553,
39.8077)**

Conversions

Conversions Part 1

Format	Color
Hex	008BA7
RGB	0, 139, 167
RGB Percent	0%, 55%, 65%
CMY	0.9999, 0.4549, 0.3451
CMYK	1.00, 0.17, 0.00, 0.35
HSL	190°, 100%, 33%
HSV	190°, 100%, 65%
XYZ	16.2077, 21.2553, 39.8077
YIQ	100.6310, -91.8320, -20.7600

Conversions

Conversions Part 2

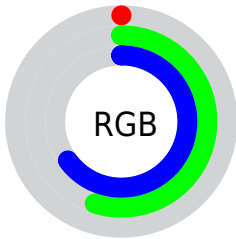
Format	Color
RYB	0, 76, 167
Decimal	35751
CIELab	53.23, -21.13, -23.65
CIELCh	53, 31.715, 228.224
Yxy	21.2553, 0.2098, 0.2751
Android (android.graphics.Color)	4278225831 (0xFF008BA7)
YUV	100.6310, 32.7199, -88.2534
Hunter-Lab	46.1035, -17.9293, -18.9211

Details

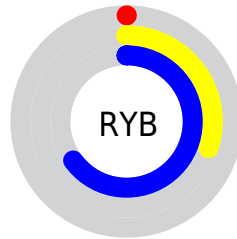
The XYZ color **16.2077, 21.2553, 39.8077** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.3527, 9.0475, 0.8853**, and the grayscale version is **12.2127, 12.8487, 13.9922**.

A 20% lighter version of the original color is **36.5692, 45.6380, 75.9889**, and **6.6669, 8.3826, 17.4863** is the 20% darker color. If you saturate the color by 10%, you get **16.2073, 21.2544, 39.8080**, and if you desaturate by 10%, it is **16.8451, 22.1940, 39.9557**.

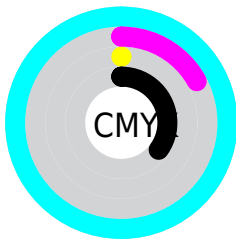
Distribution



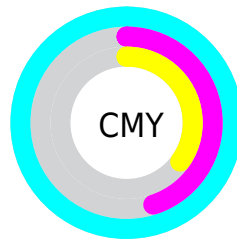
- Red (0%)
- Green (55%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2077, 21.2553, 39.8077 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 16.2077, 21.2553, 39.8077 by changing the saturation by 10% instead.

■ 16.2077, 21.2553,
39.8077

■ 16.2077, 21.2553,
39.8077

■ 223.8106,
258.6322, 360.8404

■ 9.7630, 13.3107,
27.0760

■ 36.5129, 45.5120,
76.1045

■ 5.3032, 7.6429,
17.3974

■ 51.1042, 62.5930,
100.5066

■ 2.4628, 3.8673,
10.3533

■ 69.1418, 83.4882,
129.6360

■ 0.8765, 1.5996,
5.5251

■ 90.9909, 108.5821,
163.9112

■ 0.0000, 0.3573,
2.4945

■ 117.0170,
138.2591, 203.7507

■ 0.0000, 0.0000,
0.8372

■ 147.5854,

■ 0.0000, 0.0000,

172.9035, 249.5730

0.0000

183.0615,
212.8997, 301.7967

■ 16.2077, 21.2553,
39.8077

■ 16.2077, 21.2553,
39.8077

■ 16.2073, 21.2544,
39.8080

■ 16.8451, 22.1940,
39.9557

■ 17.6810, 23.2501,
40.1155

■ 18.7935, 24.4645,
40.2913

■ 20.2171, 25.8551,
40.4846

■ 21.9813, 27.4370,
40.6970

■ 24.1119, 29.2239,
40.9296

■ 26.6322, 31.2277,
41.1836

■ 29.5637, 33.4597,
41.4599

■ 32.9260, 35.9301,
41.7595

Harmonies

Analogous

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



14.6809, 21.2553, 29.4056



16.2077, 21.2553, 39.8077



18.9162, 21.2553, 46.3086

Triad

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



16.2077, 21.2553, 39.8077



27.1875, 21.2553, 27.1163



18.2542, 21.2553, 9.6709

Complementary

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



16.2077, 21.2553, 39.8077



16.3527, 9.0475, 0.8853

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.



21.5459, 21.2553, 9.3738



16.2077, 21.2553, 39.8077



26.9595, 21.2553, 17.8401

Square

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



16.2077, 21.2553, 39.8077



25.3972, 21.2553, 37.7381



24.8051, 21.2553, 11.9316



15.7693, 21.2553, 12.9001

Rectangle

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



16.2077, 21.2553, 39.8077



21.1381, 21.2553, 46.6246



24.8051, 21.2553, 11.9316



19.2950, 21.2553, 9.2655

Sweetspot

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



16.2084, 21.2560, 39.8082



47.4236, 55.7142, 73.7297



14.0272, 27.7211, 5.7012



10.1873, 12.1334, 16.4572



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.



16.2084, 21.2560, 39.8082



28.8948, 37.8025, 71.2490



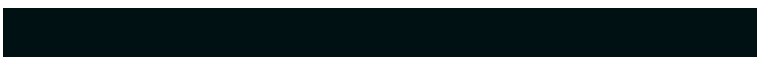
8.3746, 5.5883, 37.1969



7.6389, 8.3147, 9.6206



12.4326, 16.3254, 30.4713



0.3300, 0.4522, 0.7505

Inverse Universe

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



20.5972, 10.0804, 25.2870



36.8204, 18.0252, 44.9345



21.6588, 19.6597, 2.6540



7.7871, 7.6447, 9.1960



15.7760, 7.7191, 19.4298



0.3977, 0.1934, 0.5458

Previews

White Background



This preview shows how the XYZ color 16.2077, 21.2553, 39.8077 looks on a white background.

Color Contrast Check

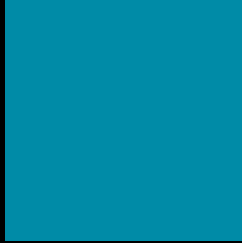
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2077, 21.2553, 39.8077 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 16.2077, 21.2553, 39.8077

Background



This preview shows how black text looks on a background with the XYZ color 16.2077, 21.2553, 39.8077.

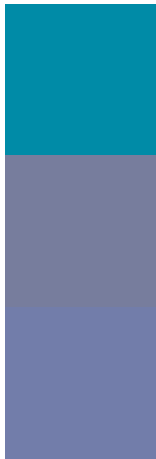


This preview shows how white text looks on a background with the XYZ color 16.2077, 21.2553,

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

16.2077, 21.2553, 39.8077

Protanopia

21.0272, 21.0235, 34.8480

Deuteranopia

21.5287, 21.1469, 40.9773



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

16.2077, 21.2553, 39.8077

Protanomaly

17.3961, 20.0750, 36.6762

Deuteranomaly

17.8917, 20.2463, 40.5010

Tritanomaly

15.4639, 21.1905, 35.1734

Monochromacy



Original Color

16.2077, 21.2553, 39.8077

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9468, 14.8321, 21.6353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2077, 21.2553, 39.8077 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, 139, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 167)  
}
```

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, 139, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 167) }
```

Border

The CSS property to change the border of an element to XYZ 16.2077, 21.2553, 39.8077 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, 139, 167) }
```


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

```
.border{ border-color:rgb(0, 139, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2077, 21.2553, 39.8077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 167) }
```

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

```
.background{ background-color: rgb(0, 139,  
167) }
```

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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