

Converting Colors

XYZ(11.5993, 24.9227, 39.5229)

Have a look what the booklet for
XYZ(11.5993, 24.9227, 39.5229)
contains.

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Color

**XYZ(19.9763, 29.2313,
39.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4A4
RGB	0, 164, 164
RGB Percent	0%, 64%, 64%
CMY	0.9999, 0.3569, 0.3569
CMYK	1.00, 0.00, 0.00, 0.36
HSL	180°, 100%, 32%
HSV	180°, 100%, 64%
XYZ	19.9763, 29.2313, 39.7113
YIQ	114.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

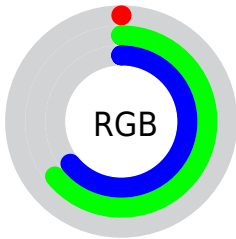
Format	Color
RYB	0, 82, 164
Decimal	42148
CIELab	60.99, -34.56, -10.16
CIELCh	61, 36.018, 196.386
Yxy	29.2313, 0.2247, 0.3287
Android (android.graphics.Color)	4278232228 (0xFF00A4A4)
YUV	114.9640, 24.1747, -100.8234
Hunter-Lab	54.0660, -28.6633, -5.7021

Details

The XYZ color **19.9763, 29.2313, 39.7113** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.3108, 7.8934, 0.7174**, and the grayscale version is **16.2378, 17.0834, 18.6038**.

A 20% lighter version of the original color is **42.9955, 58.6806, 76.0782**, and **8.6091, 12.5387, 17.2957** is the 20% darker color. If you saturate the color by 10%, you get **19.9769, 29.2322, 39.7120**, and if you desaturate by 10%, it is **20.1979, 29.3462, 39.7224**.

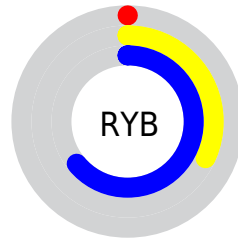
Distribution



Red (0%)

Green (64%)

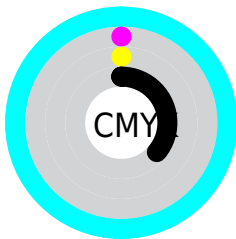
Blue (64%)



Red (0%)

Yellow (32%)

Blue (64%)

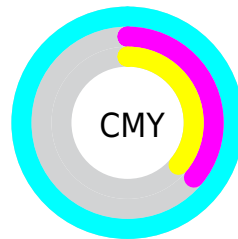


Cyan (100%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (100%)

Magenta (36%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9763, 29.2313, 39.7113 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 19.9763, 29.2313, 39.7113 by changing the saturation by 10% instead.


 19.9763, 29.2313,
39.7113


 19.9763, 29.2313,
39.7113


244.6228,
298.3047, 360.4211


 12.4860, 19.2559,
27.0014


 42.8817, 58.4444,
75.9560


 7.1501, 11.8553,
17.3419

 59.0275, 78.4508,
100.3279


 3.6033, 6.6452,
10.3140


 78.7891, 102.5697,
129.4242

 1.4803, 3.2412,
5.4993

 102.5320,
131.1854, 163.6635

 0.3123, 1.2589,
2.4793

 130.6214,
164.6824, 203.4643

 0.0000, 0.1091,
0.8292

 163.4228,

 0.0000, 0.0000,

203.4450, 249.2451

0.0000

201.3015,
247.8577, 301.4245

■ 19.9763, 29.2313,
39.7113

■ 19.9763, 29.2313,
39.7113

■ 19.9769, 29.2322,
39.7120

■ 20.1979, 29.3462,
39.7224

■ 20.5985, 29.5527,
39.7412

■ 21.2545, 29.8909,
39.7720

■ 22.1986, 30.3776,
39.8162

■ 23.4590, 31.0273,
39.8753

■ 25.0602, 31.8528,
39.9503

■ 27.0246, 32.8654,
40.0423

■ 29.3724, 34.0758,
40.1522

■ 32.1226, 35.4936,
40.2810

Harmonies

Analogous

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



19.8855, 29.2313, 26.1105



19.9763, 29.2313, 39.7113



21.9984, 29.2313, 54.5140

Triad

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



19.9763, 29.2313, 39.7113



34.8619, 29.2313, 53.2549



29.9678, 29.2313, 12.7032

Complementary

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



19.9763, 29.2313, 39.7113



15.3108, 7.8934, 0.7174

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.



34.5030, 29.2313, 16.5129



19.9763, 29.2313, 39.7113



37.5366, 29.2313, 38.3244

Square

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



19.9763, 29.2313, 39.7113



30.4147, 29.2313, 63.7188



37.3983, 29.2313, 25.0637



25.3085, 29.2313, 12.8799

Rectangle

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



19.9763, 29.2313, 39.7113



24.3147, 29.2313, 61.9606



37.3983, 29.2313, 25.0637



31.5673, 29.2313, 13.5008

Sweetspot

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



19.9772, 29.2324, 39.7120



48.8269, 59.5380, 72.6705



13.3106, 26.5697, 4.4277



10.3492, 12.8485, 15.8720



78.6606, 82.7571, 90.1225



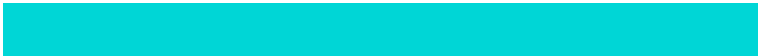
14.0027, 14.7319, 16.0430

Same Dimension

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



19.9772, 29.2324, 39.7120



36.2601, 53.0596, 72.0815



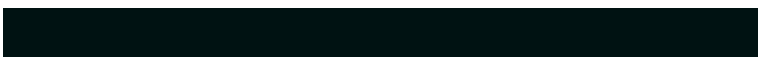
9.9300, 9.1379, 36.3636



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4481



0.3218, 0.4709, 0.6398

Inverse Universe

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



15.3108, 7.8934, 0.7174



27.7900, 14.3263, 1.3006



18.1268, 13.5255, 1.6560



7.0738, 7.0860, 7.3750



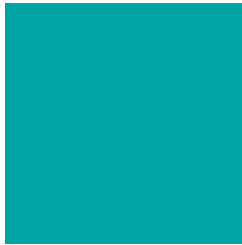
11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 19.9763, 29.2313, 39.7113 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 19.9763, 29.2313, 39.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

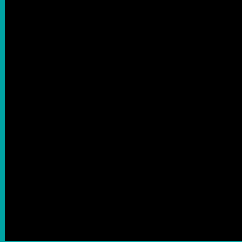
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9763, 29.2313, 39.7113

Background



This preview shows how black text looks on a background with the XYZ color 19.9763, 29.2313, 39.7113.

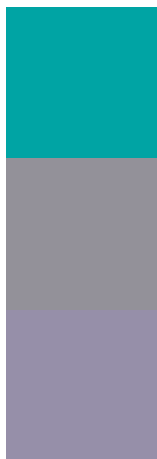


This preview shows how white text looks on a background with the XYZ color 19.9763, 29.2313,

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

19.9763, 29.2313, 39.7113

Protanopia

27.9078, 28.7537, 34.2161

Deuteranopia

29.5616, 28.9935, 41.5744



Tritanopia

21.1936, 29.2118, 45.0789

Trichromacy



Original Color

19.9763, 29.2313, 39.7113

Protanomaly

21.9301, 27.2705, 36.0062

Deuteranomaly

22.7610, 27.3561, 40.6398

Tritanomaly

20.7164, 29.2731, 43.0865

Monochromacy



Original Color

19.9763, 29.2313, 39.7113

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3688, 19.8850, 25.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9763, 29.2313, 39.7113 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, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 164)  
}
```

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, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.9763, 29.2313, 39.7113 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, 164, 164) }
```


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

```
.border{ border-color:rgb(0, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9763, 29.2313, 39.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 164) }
```

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

```
.background{ background-color: rgb(0, 164,  
164) }
```

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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