

Converting Colors

XYZ(15.7741, 26.6335, 39.4273)

Have a look what the booklet for
XYZ(15.7741, 26.6335, 39.4273)
contains.

XYZ(19.6212, 28.5210, 39.5929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6212, 28.5210,
39.5929)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2A4
RGB	0, 162, 164
RGB Percent	0%, 64%, 64%
CMY	0.9999, 0.3647, 0.3569
CMYK	1.00, 0.01, 0.00, 0.36
HSL	181°, 100%, 32%
HSV	181°, 100%, 64%
XYZ	19.6212, 28.5210, 39.5929
YIQ	113.7900, -97.1940, -33.7220

Conversions

Conversions Part 2

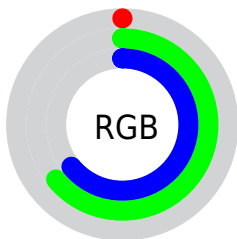
Format	Color
RYB	0, 81, 164
Decimal	41636
CIELab	60.36, -33.62, -11.10
CIELCh	60, 35.403, 198.277
Yxy	28.5210, 0.2236, 0.3251
Android (android.graphics.Color)	4278231716 (0xFF00A2A4)
YUV	113.7900, 24.7535, -99.7938
Hunter-Lab	53.4051, -27.8773, -6.5723

Details

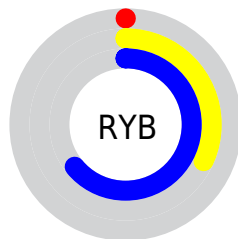
The XYZ color **19.6212, 28.5210, 39.5929** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.3323, 7.9368, 0.7248**, and the grayscale version is **15.8836, 16.7108, 18.1980**.

A 20% lighter version of the original color is **42.2151, 57.1199, 75.8181**, and **8.5006, 12.3217, 17.2595** is the 20% darker color. If you saturate the color by 10%, you get **19.6216, 28.5217, 39.5935**, and if you desaturate by 10%, it is **19.8781, 28.7063, 39.6157**.

Distribution



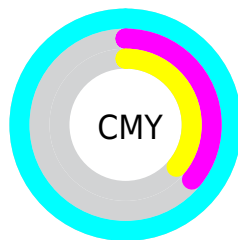
- Red (0%)
- Green (64%)
- Blue (64%)



- Red (0%)
- Yellow (32%)
- Blue (64%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6212, 28.5210, 39.5929 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 19.6212, 28.5210, 39.5929 by changing the saturation by 10% instead.

■ 19.6212, 28.5210,
39.5929

■ 19.6212, 28.5210,
39.5929

■ 242.7298,
294.9481, 359.9057

■ 12.2267, 18.7188,
26.9099

■ 42.2900, 57.3152,
75.7735

■ 6.9715, 11.4672,
17.2737

■ 58.2949, 77.0759,
100.1082

■ 3.4905, 6.3820,
10.2658

■ 77.9007, 100.9249,
129.1638

■ 1.4181, 3.0787,
5.4677

■ 101.4727,
129.2466, 163.3590

■ 0.2691, 1.1730,
2.4607

■ 129.3763,
162.4254, 203.1122

■ 0.0000, 0.0395,
0.8192

■ 161.9768,

■ 0.0000, 0.0000,

200.8457, 248.8420

0.0000

199.6395,
244.8918, 300.9670

■ 19.6212, 28.5210,
39.5929

■ 19.6212, 28.5210,
39.5929

■ 19.6216, 28.5217,
39.5935

■ 19.8781, 28.7063,
39.6157

■ 20.3141, 28.9835,
39.6462

■ 21.0054, 29.3924,
39.6887

■ 21.9850, 29.9500,
39.7447

■ 23.2809, 30.6707,
39.8155

■ 24.9178, 31.5673,
39.9023

■ 26.9178, 32.6511,
40.0061

■ 29.3013, 33.9328,
40.1278

■ 32.0873, 35.4220,
40.2684

Harmonies

Analogous

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



19.4133, 28.5210, 26.2371



19.6212, 28.5210, 39.5929



21.6931, 28.5210, 53.7583

Triad

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



19.6212, 28.5210, 39.5929



34.1759, 28.5210, 50.8909



28.9249, 28.5210, 12.4158

Complementary

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



19.6212, 28.5210, 39.5929



15.3323, 7.9368, 0.7248

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.



33.3572, 28.5210, 15.8573



19.6212, 28.5210, 39.5929



36.6078, 28.5210, 36.4282

Square

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



19.6212, 28.5210, 39.5929



29.9454, 28.5210, 61.4364



36.2924, 28.5210, 23.8414



24.4564, 28.5210, 12.8224

Rectangle

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



19.6212, 28.5210, 39.5929



23.9977, 28.5210, 60.6278



36.2924, 28.5210, 23.8414



30.4768, 28.5210, 13.1103

Sweetspot

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



19.6221, 28.5221, 39.5936



48.6290, 59.1420, 72.6049



13.2762, 26.5516, 4.4261



10.3003, 12.7506, 15.8558



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.



19.6221, 28.5221, 39.5936



35.6040, 51.7470, 71.8640



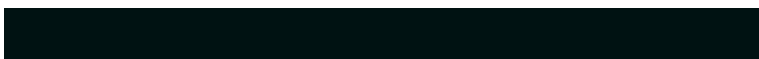
9.7199, 8.7176, 36.2929



7.2687, 7.9964, 9.0634



15.0474, 21.8741, 30.3588



0.3184, 0.4640, 0.6386

Inverse Universe

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



21.8322, 10.5020, 35.0599



39.6218, 19.0590, 63.6063



18.3288, 13.9298, 1.7236



7.3606, 7.2007, 8.8853



16.7407, 8.0523, 26.8888



0.3529, 0.1696, 0.5708

Previews

White Background



This preview shows how the XYZ color 19.6212, 28.5210, 39.5929 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 19.6212, 28.5210, 39.5929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

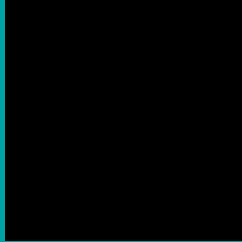
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6212, 28.5210, 39.5929

Background



This preview shows how black text looks on a background with the XYZ color 19.6212, 28.5210, 39.5929.

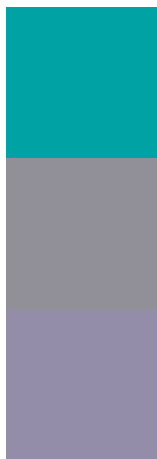


This preview shows how white text looks on a background with the XYZ color 19.6212, 28.5210,

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

19.6212, 28.5210, 39.5929

Protanopia

27.4001, 28.2662, 34.1488

Deuteranopia

28.7189, 28.1174, 41.4497



Tritanopia

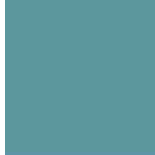
20.8368, 28.7787, 44.5010

Trichromacy



Original Color

19.6212, 28.5210, 39.5929



Protanomaly

21.5660, 26.8428, 35.9428



Deuteranomaly

22.3386, 26.6646, 40.5286



Tritanomaly

20.2317, 28.5112, 42.4671

Monochromacy



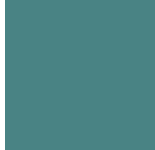
Original Color

19.6212, 28.5210, 39.5929



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.0288, 19.3150, 24.7659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6212, 28.5210, 39.5929 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, 162, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.6212, 28.5210, 39.5929 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, 162, 164) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6212, 28.5210, 39.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 164) }
```

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

```
.background{ background-color: rgb(0, 162,  
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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