

Converting Colors

XYZ(20.0105, 29.0461, 39.2957)

Have a look what the booklet for
XYZ(20.0105, 29.0461, 39.2957)
contains.

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Color

**XYZ(19.9575, 28.9673,
39.1897)**

Conversions

Conversions Part 1

Format	Color
Hex	12A3A3
RGB	18, 163, 163
RGB Percent	7%, 64%, 64%
CMY	0.9293, 0.3608, 0.3608
CMYK	0.89, 0.00, 0.00, 0.36
HSL	180°, 80%, 35%
HSV	180°, 89%, 64%
XYZ	19.9575, 28.9673, 39.1897
YIQ	119.6450, -86.4200, -30.7400

Conversions

Conversions Part 2

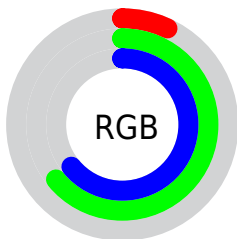
Format	Color
R_{YB}	18, 91, 163
Decimal	1221539
CIE _{Lab}	60.75, -33.65, -9.93
CIE _{LCh}	61, 35.082, 196.448
Yxy	28.9673, 0.2265, 0.3287
Android (android.graphics.Color)	4279411619 (0xFF12A3A3)
YUV	119.6450, 21.3740, -89.1427
Hunter-Lab	53.8213, -27.9975, -5.4968

Details

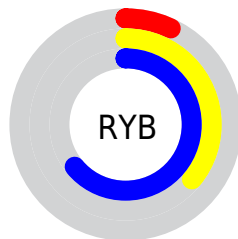
The XYZ color **19.9575, 28.9673, 39.1897** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4307, 8.2638, 1.3549**, and the grayscale version is **17.6953, 18.6168, 20.2737**.

A 20% lighter version of the original color is **42.7633, 57.8014, 75.2326**, and **8.5537, 12.5166, 17.0040** is the 20% darker color. If you saturate the color by 10%, you get **19.7301, 28.8507, 39.1797**, and if you desaturate by 10%, it is **20.3788, 29.1851, 39.2101**.

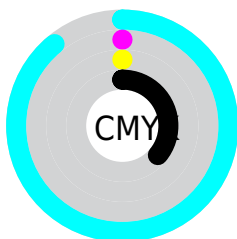
Distribution



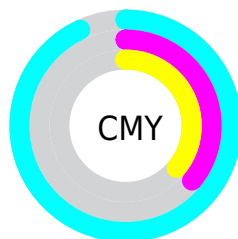
- Red (7%)
- Green (64%)
- Blue (64%)



- Red (7%)
- Yellow (36%)
- Blue (64%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (36%)



- Cyan (93%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9575, 28.9673, 39.1897 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 19.9575, 28.9673, 39.1897 by changing the saturation by 10% instead.

■ 19.9575, 28.9673,
39.1897

■ 19.9575, 28.9673,
39.1897

■ 244.5229,
297.0606, 358.1464

■ 12.4722, 19.0561,
26.5984

■ 42.8504, 58.0251,
75.1516

■ 7.1406, 11.7108,
17.0420

■ 58.9888, 77.9405,
99.3592

■ 3.5973, 6.5471,
10.1022

■ 78.7422, 101.9595,
128.2759

■ 1.4769, 3.1805,
5.3603

■ 102.4760,
130.4663, 162.3204

■ 0.3101, 1.2267,
2.3978

■ 130.5557,
163.8454, 201.9112

■ 0.0000, 0.0833,
0.7852

■ 163.3465,

■ 0.0000, 0.0000,

202.4813, 247.4667

0.0000

201.2138,
246.7582, 299.4056

■ 19.9575, 28.9673,
39.1897

■ 19.9575, 28.9673,
39.1897

■ 19.7301, 28.8507,
39.1797

■ 20.3788, 29.1851,
39.2101

■ 19.7086, 28.8396,
39.1786

■ 21.0547, 29.5336,
39.2418

■ 22.0179, 30.0301,
39.2870

■ 23.2954, 30.6886,
39.3468

■ 24.9113, 31.5217,
39.4225

■ 26.8873, 32.5403,
39.5150

■ 29.2433, 33.7549,
39.6254

■ 31.9977, 35.1749,
39.7543

■ 35.1678, 36.8091,
39.9028

Harmonies

Analogous

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



19.8652, 28.9673, 26.0201



19.9575, 28.9673, 39.1897



21.9278, 28.9673, 53.4375

Triad

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



19.9575, 28.9673, 39.1897



34.3809, 28.9673, 52.1734



29.6364, 28.9673, 12.8991

Complementary

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



19.9575, 28.9673, 39.1897



15.4307, 8.2638, 1.3549

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.



34.0192, 28.9673, 16.6296



19.9575, 28.9673, 39.1897



36.9556, 28.9673, 37.7911

Square

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



19.9575, 28.9673, 39.1897



30.0878, 28.9673, 62.2341



36.8163, 28.9673, 24.9576



25.1262, 28.9673, 13.0808

Rectangle

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



19.9575, 28.9673, 39.1897



24.1789, 28.9673, 60.5768



36.8163, 28.9673, 24.9576



31.1828, 28.9673, 13.6809

Sweetspot

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



19.9584, 28.9684, 39.1904



48.7182, 58.5676, 70.7928



13.5044, 26.3923, 4.9556



10.6619, 13.0096, 15.8866



78.6606, 82.7571, 90.1225



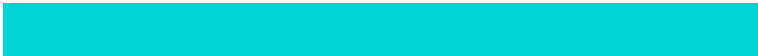
14.0027, 14.7319, 16.0430

Same Dimension

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



19.9584, 28.9684, 39.1904



35.2954, 51.6479, 70.1637



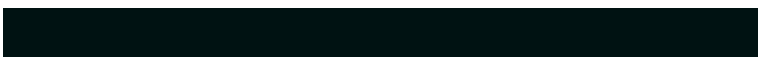
10.7688, 10.5891, 36.1277



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4482



0.3218, 0.4709, 0.6398

Inverse Universe

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



15.4307, 8.2638, 1.3549



27.0506, 13.9451, 1.2660



18.7115, 14.8255, 2.4485



7.0738, 7.0860, 7.3750



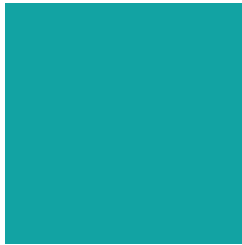
11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 19.9575, 28.9673, 39.1897 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 19.9575, 28.9673, 39.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

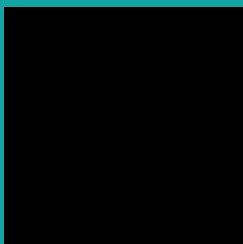
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

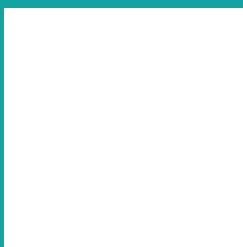
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9575, 28.9673, 39.1897

Background



This preview shows how black text looks on a background with the XYZ color 19.9575, 28.9673, 39.1897.

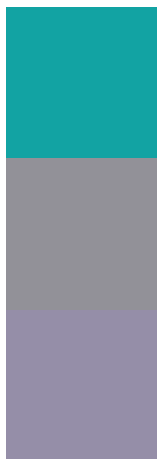


This preview shows how white text looks on a background with the XYZ color 19.9575, 28.9673,

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

19.9575, 28.9673, 39.1897

Protanopia

27.6470, 28.6288, 33.7745

Deuteranopia

29.1353, 28.5627, 41.0233



Tritanopia

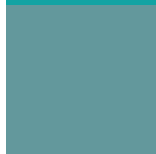
21.0445, 28.8858, 44.5108

Trichromacy



Original Color

19.9575, 28.9673, 39.1897



Protanomaly

22.3746, 27.5094, 35.5831



Deuteranomaly

23.1561, 27.3326, 40.1316



Tritanomaly

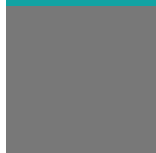
20.6549, 28.9898, 42.5372

Monochromacy



Original Color

19.9575, 28.9673, 39.1897



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.8154, 21.2249, 26.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9575, 28.9673, 39.1897 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(18, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(18, 163, 163)  
}
```

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(18, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 163, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.9575, 28.9673, 39.1897 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(18, 163, 163) }
```


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

```
.border{ border-color:rgb(18, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(18, 163,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9575, 28.9673, 39.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 163, 163) }
```

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

```
.background{ background-color: rgb(18, 163,  
163) }
```

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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