

Converting Colors

XYZ(9.1696, 25.9610, 36.0597)

Have a look what the booklet for
XYZ(9.1696, 25.9610, 36.0597)
contains.

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Color

**XYZ(20.7533, 31.9053,
36.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC9C
RGB	0, 172, 156
RGB Percent	0%, 67%, 61%
CMY	0.9999, 0.3255, 0.3882
CMYK	1.00, 0.00, 0.09, 0.33
HSL	174°, 100%, 34%
HSV	174°, 100%, 67%
XYZ	20.7533, 31.9053, 36.5170
YIQ	118.7480, -97.3760, -41.4400

Conversions

Conversions Part 2

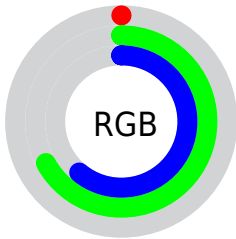
Format	Color
RYB	0, 90, 172
Decimal	44188
CIELab	63.26, -40.57, -2.29
CIELCh	63, 40.639, 183.234
Yxy	31.9053, 0.2327, 0.3578
Android (android.graphics.Color)	4278234268 (0xFF00AC9C)
YUV	118.7480, 18.3652, -104.1420
Hunter-Lab	56.4848, -33.2650, 1.2088

Details

The XYZ color **20.7533, 31.9053, 36.5170** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.1079, 8.8091, 1.2901**, and the grayscale version is **17.4241, 18.3315, 19.9630**.

A 20% lighter version of the original color is **44.0956, 62.5728, 70.7265**, and **9.1466, 14.2136, 15.6260** is the 20% darker color. If you saturate the color by 10%, you get **20.7536, 31.9062, 36.5165**, and if you desaturate by 10%, it is **21.1256, 32.0822, 37.2473**.

Distribution



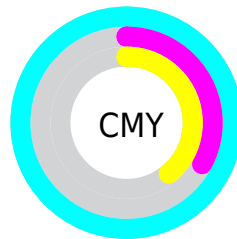
- Red (0%)
- Green (67%)
- Blue (61%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7533, 31.9053, 36.5170 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 20.7533, 31.9053, 36.5170 by changing the saturation by 10% instead.

■ 20.7533, 31.9053,
36.5170

■ 20.7533, 31.9053,
36.5170

■ 248.7211,
310.6876, 346.3202

■ 13.0552, 21.2892,
24.5409

■ 44.1710, 62.6626,
71.0073

■ 7.5438, 13.3355,
15.5194

■ 60.6213, 83.5726,
94.3586

■ 3.8538, 7.6600,
9.0341

■ 80.7197, 108.6826,
122.3387

■ 1.6198, 3.8782,
4.6663

■ 104.8316,
138.3771, 155.3661

■ 0.4052, 1.6057,
1.9975

■ 133.3223,
173.0405, 193.8594

■ 0.0000, 0.3614,
0.5538

■ 166.5573,

■ 0.0000, 0.0000,

213.0571, 238.2372

0.0000

204.9017,
258.8113, 288.9179

■ 20.7533, 31.9053,
36.5170

■ 20.7533, 31.9053,
36.5170

■ 20.7536, 31.9062,
36.5165

■ 21.1256, 32.0822,
37.2473

■ 21.7025, 32.3637,
37.9959

■ 22.5659, 32.7925,
38.7672

■ 23.7528, 33.3880,
39.5631

■ 25.2948, 34.1664,
40.3851

■ 27.2198, 35.1419,
41.2345

■ 29.5528, 36.3276,
42.1125

■ 32.3167, 37.7352,
43.0203

■ 35.5326, 39.3757,
43.9588

Harmonies

Analogous

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



21.6531, 31.9053, 22.5681



20.7533, 31.9053, 36.5170



22.1444, 31.9053, 54.6427

Triad

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



20.7533, 31.9053, 36.5170



36.6506, 31.9053, 67.6441



35.4642, 31.9053, 13.7654

Complementary

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



20.7533, 31.9053, 36.5170



17.1079, 8.8091, 1.2901

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.



40.3068, 31.9053, 20.3723



20.7533, 31.9053, 36.5170



41.0492, 31.9053, 50.6491

Square

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



20.7533, 31.9053, 36.5170



30.9395, 31.9053, 75.7769



42.4629, 31.9053, 33.0205



29.7187, 31.9053, 12.0749

Rectangle

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



20.7533, 31.9053, 36.5170



24.2981, 31.9053, 65.9496



42.4629, 31.9053, 33.0205



37.2742, 31.9053, 15.3574

Sweetspot

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



20.7542, 31.9065, 36.5178



53.3563, 65.7718, 76.3062



14.9884, 29.6273, 4.9296



11.2048, 14.0950, 16.4410



82.5889, 86.8899, 94.6231



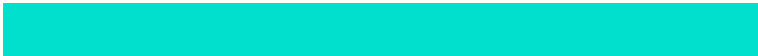
15.4596, 16.2647, 17.7123

Same Dimension

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



20.7542, 31.9065, 36.5178



37.6049, 57.8632, 66.0125



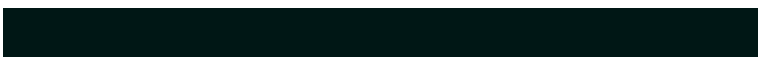
12.3186, 12.7219, 40.8373



8.2037, 9.0590, 10.0978



15.4544, 23.7470, 27.2302



0.4390, 0.6643, 0.8056

Inverse Universe

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



17.1079, 8.8091, 1.2901



30.9988, 15.9650, 2.1513



19.1310, 13.0051, 1.5028



8.0344, 8.0270, 8.4919



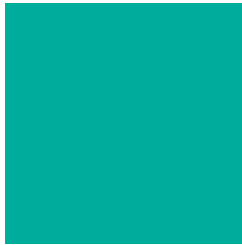
12.7399, 6.5585, 1.0099



0.3639, 0.1862, 0.0781

Previews

White Background



This preview shows how the XYZ color 20.7533, 31.9053, 36.5170 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.7533, 31.9053, 36.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

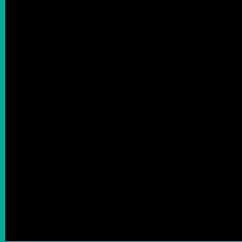
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7533, 31.9053, 36.5170

Background



This preview shows how black text looks on a background with the XYZ color 20.7533, 31.9053, 36.5170.

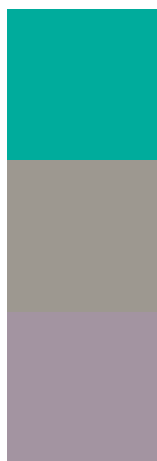


This preview shows how white text looks on a background with the XYZ color 20.7533, 31.9053,

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

20.7533, 31.9053, 36.5170

Protanopia

30.1669, 31.6382, 30.9024

Deuteranopia

32.1272, 31.5395, 38.1127



Tritanopia

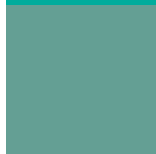
23.4424, 31.8963, 49.1770

Trichromacy



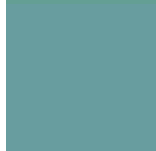
Original Color

20.7533, 31.9053, 36.5170



Protanomaly

22.9990, 29.6437, 32.5266



Deuteranomaly

24.0239, 29.5602, 37.2404



Tritanomaly

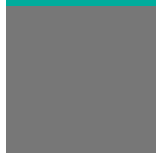
22.1828, 31.6261, 44.4705

Monochromacy



Original Color

20.7533, 31.9053, 36.5170



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.2338, 21.3794, 25.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7533, 31.9053, 36.5170 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, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 156)  
}
```

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, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.7533, 31.9053, 36.5170 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, 172, 156) }
```


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

```
.border{ border-color:rgb(0, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7533, 31.9053, 36.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 156) }
```

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

```
.background{ background-color: rgb(0, 172,  
156) }
```

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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