

Converting Colors

XYZ(15.0390, 27.9543, 39.7969)

Have a look what the booklet for
XYZ(15.0390, 27.9543, 39.7969)
contains.

XYZ(20.8888, 31.0563, 40.0155)	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(20.8888, 31.0563,
40.0155)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9A4
RGB	0, 169, 164
RGB Percent	0%, 66%, 64%
CMY	0.9999, 0.3372, 0.3569
CMYK	1.00, 0.00, 0.03, 0.34
HSL	178°, 100%, 33%
HSV	178°, 100%, 66%
XYZ	20.8888, 31.0563, 40.0155
YIQ	117.8990, -99.1190, -37.3830

Conversions

Conversions Part 2

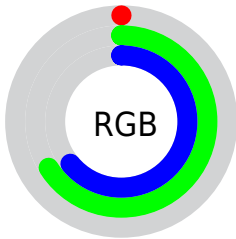
Format	Color
RYB	0, 86, 169
Decimal	43428
CIELab	62.56, -36.86, -7.82
CIELCh	63, 37.683, 191.974
Yxy	31.0563, 0.2271, 0.3377
Android (android.graphics.Color)	4278233508 (0xFF00A9A4)
YUV	117.8990, 22.7278, -103.3974
Hunter-Lab	55.7282, -30.6165, -3.5633

Details

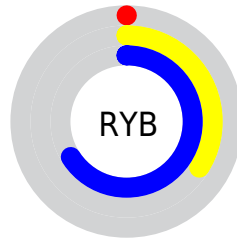
The XYZ color **20.8888, 31.0563, 40.0155** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3906, 8.4469, 0.9109**, and the grayscale version is **17.1444, 18.0373, 19.6426**.

A 20% lighter version of the original color is **44.4307, 61.3978, 76.5270**, and **9.1700, 13.6606, 17.4827** is the 20% darker color. If you saturate the color by 10%, you get **20.8893, 31.0573, 40.0159**, and if you desaturate by 10%, it is **21.1645, 31.1939, 40.2654**.

Distribution



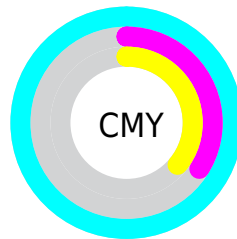
- Red (0%)
- Green (66%)
- Blue (64%)



- Red (0%)
- Yellow (34%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8888, 31.0563, 40.0155 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 20.8888, 31.0563, 40.0155 by changing the saturation by 10% instead.

■ 20.8888, 31.0563,
40.0155

■ 20.8888, 31.0563,
40.0155

■ 249.4298,
306.7976, 361.7429

■ 13.1547, 20.6417,
27.2368

■ 44.3951, 61.3287,
76.4245

■ 7.6129, 12.8624,
17.5171

■ 60.8980, 81.9553,
100.8918

■ 3.8980, 7.3338,
10.4380

■ 81.0546, 106.7547,
130.0923

■ 1.6446, 3.6717,
5.5809

■ 105.2302,
136.1113, 164.4447

■ 0.4212, 1.4917,
2.5274

■ 133.7901,
170.4095, 204.3674

■ 0.0000, 0.2829,
0.8546

■ 167.0998,

■ 0.0000, 0.0000,

210.0337, 250.2790

0.0000

205.5246,
255.3683, 302.5980

■ 20.8888, 31.0563,
40.0155

■ 20.8888, 31.0563,
40.0155

■ 20.8893, 31.0573,
40.0159

■ 21.1645, 31.1939,
40.2654

■ 21.6341, 31.4307,
40.5246

■ 22.3773, 31.8086,
40.7976

■ 23.4295, 32.3457,
41.0859

■ 24.8211, 33.0578,
41.3910

■ 26.5785, 33.9584,
41.7142

■ 28.7258, 35.0601,
42.0566

■ 31.2849, 36.3740,
42.4192

■ 34.2762, 37.9106,
42.8030

Harmonies

Analogous

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



21.1034, 31.0563, 25.8115



20.8888, 31.0563, 40.0155



22.7808, 31.0563, 56.4220

Triad

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



20.8888, 31.0563, 40.0155



36.6120, 31.0563, 59.4380



32.6739, 31.0563, 13.4504

Complementary

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



20.8888, 31.0563, 40.0155



16.3906, 8.4469, 0.9109

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.



37.4678, 31.0563, 18.2331



20.8888, 31.0563, 40.0155



39.9163, 31.0563, 43.3224

Square

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



20.8888, 31.0563, 40.0155



31.6104, 31.0563, 69.6220



40.2465, 31.0563, 28.2906



27.5202, 31.0563, 13.0376

Rectangle

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



20.8888, 31.0563, 40.0155



25.1254, 31.0563, 65.3500



40.2465, 31.0563, 28.2906



34.3951, 31.0563, 14.5183

Sweetspot

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



20.8897, 31.0575, 40.0162



51.2135, 62.6699, 75.2837



14.2594, 28.4135, 4.7335



10.8092, 13.4781, 16.3540



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.



20.8897, 31.0575, 40.0162



37.3959, 55.6141, 71.5875



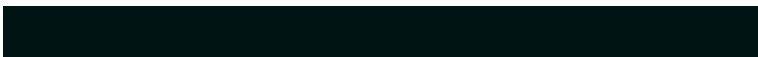
10.8305, 10.2019, 38.9357



7.7378, 8.5282, 9.6055



15.5718, 23.1475, 29.8418



0.3817, 0.5643, 0.7412

Inverse Universe

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



16.3906, 8.4469, 0.9109



29.3393, 15.1209, 1.5587



19.1503, 14.0102, 1.6956



7.5398, 7.5458, 7.8937



12.2186, 6.2962, 0.6970



0.3000, 0.1543, 0.0313

Previews

White Background



This preview shows how the XYZ color 20.8888, 31.0563, 40.0155 looks on a white background.

Color Contrast Check

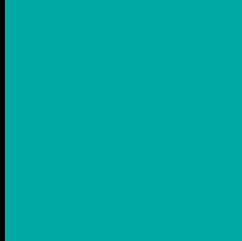
Large Text (above 18pt) WCAG AA × Fail

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 20.8888, 31.0563, 40.0155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

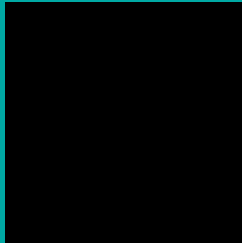
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8888, 31.0563, 40.0155

Background



This preview shows how black text looks on a background with the XYZ color 20.8888, 31.0563, 40.0155.

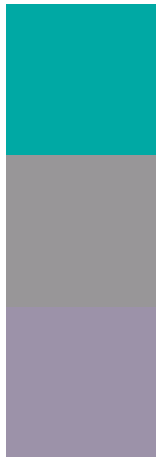


This preview shows how white text looks on a background with the XYZ color 20.8888, 31.0563,

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

20.8888, 31.0563, 40.0155

Protanopia

29.5227, 30.7551, 34.0861

Deuteranopia

31.1506, 30.4903, 41.7795



Tritanopia

22.7501, 31.2900, 48.0205

Trichromacy



Original Color

20.8888, 31.0563, 40.0155



Protanomaly

22.9875, 29.0556, 35.8492



Deuteranomaly

23.6762, 28.5539, 40.8228



Tritanomaly

21.9735, 31.2318, 44.9146

Monochromacy



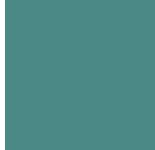
Original Color

20.8888, 31.0563, 40.0155



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.2205, 21.1364, 26.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8888, 31.0563, 40.0155 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, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.8888, 31.0563, 40.0155 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, 169, 164) }
```


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

```
.border{ border-color:rgb(0, 169, 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, 169, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8888, 31.0563, 40.0155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 164) }
```

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

```
.background{ background-color: rgb(0, 169,  
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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