

Converting Colors

XYZ(18.6655, 31.4408, 34.9018)

Have a look what the booklet for
XYZ(18.6655, 31.4408, 34.9018)
contains.

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Color

**XYZ(20.8035, 32.5391,
34.8900)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE98
RGB	0, 174, 152
RGB Percent	0%, 68%, 60%
CMY	0.9999, 0.3176, 0.4039
CMYK	1.00, 0.00, 0.13, 0.32
HSL	172°, 100%, 34%
HSV	172°, 100%, 68%
XYZ	20.8035, 32.5391, 34.8900
YIQ	119.4660, -96.6420, -43.7300

Conversions

Conversions Part 2

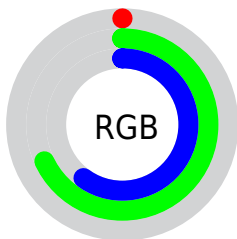
Format	Color
RYB	0, 93, 174
Decimal	44696
CIELab	63.79, -42.58, 0.70
CIELCh	64, 42.585, 179.056
Yxy	32.5391, 0.2358, 0.3688
Android (android.graphics.Color)	4278234776 (0xFF00AE98)
YUV	119.4660, 16.0393, -104.7717
Hunter-Lab	57.0431, -34.7267, 3.6658

Details

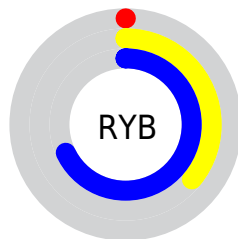
The XYZ color **20.8035, 32.5391, 34.8900** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.6014, 9.0574, 1.5806**, and the grayscale version is **17.6571, 18.5767, 20.2300**.

A 20% lighter version of the original color is **44.1567, 63.4828, 68.3186**, and **9.1863, 14.6143, 14.6486** is the 20% darker color. If you saturate the color by 10%, you get **20.8040, 32.5401, 34.8897**, and if you desaturate by 10%, it is **21.2249, 32.7361, 35.8601**.

Distribution



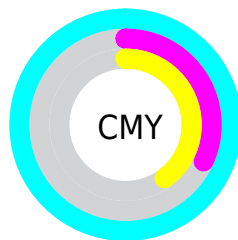
- Red (0%)
- Green (68%)
- Blue (60%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8035, 32.5391, 34.8900 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 20.8035, 32.5391, 34.8900 by changing the saturation by 10% instead.

■ 20.8035, 32.5391,
34.8900

■ 20.8035, 32.5391,
34.8900

■ 248.9839,
313.5678, 338.9720

■ 13.0921, 21.7736,
23.2953

■ 44.2540, 63.6553,
68.4650

■ 7.5694, 13.6906,
14.6043

■ 60.7238, 84.7747,
91.2823

■ 3.8702, 7.9058,
8.3987

■ 80.8438, 110.1143,
118.6776

■ 1.6289, 4.0347,
4.2597

■ 104.9793,
140.0584, 151.0693

■ 0.4112, 1.6930,
1.7689

■ 133.4958,
174.9914, 188.8761

■ 0.0000, 0.4191,
0.4073

■ 166.7584,

■ 0.0000, 0.0000,

215.2977, 232.5165

0.0000

205.1327,
261.3617, 282.4089

■ 20.8035, 32.5391,
34.8900

■ 20.8035, 32.5391,
34.8900

■ 20.8040, 32.5401,
34.8897

■ 21.2249, 32.7361,
35.8601

■ 21.8585, 33.0413,
36.8569

■ 22.7876, 33.4985,
37.8852

■ 24.0507, 34.1274,
38.9468

■ 25.6801, 34.9448,
40.0434

■ 27.7045, 35.9655,
41.1764

■ 30.1497, 37.2026,
42.3471

■ 33.0393, 38.6685,
43.5567

■ 36.3950, 40.3743,
44.8063

Harmonies

Analogous

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



22.0831, 32.5391, 21.0606



20.8035, 32.5391, 34.8900



21.9322, 32.5391, 53.9325

Triad

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



20.8035, 32.5391, 34.8900



36.8495, 32.5391, 72.6781



37.2193, 32.5391, 14.0386

Complementary

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



20.8035, 32.5391, 34.8900



17.6014, 9.0574, 1.5806

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.



42.0970, 32.5391, 21.7316



20.8035, 32.5391, 34.8900



41.8648, 32.5391, 55.1851

Square

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



20.8035, 32.5391, 34.8900



30.7385, 32.5391, 79.5630



43.8960, 32.5391, 35.9746



31.1172, 32.5391, 11.6628

Rectangle

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



20.8035, 32.5391, 34.8900



23.9928, 32.5391, 66.5480



43.8960, 32.5391, 35.9746



39.0840, 32.5391, 15.9344

Sweetspot

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



20.8044, 32.5403, 34.8908



54.4262, 67.3477, 76.6942



15.4950, 30.4579, 5.0628



11.6721, 14.7537, 16.8495



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.8044, 32.5403, 34.8908



37.6774, 58.9996, 62.9801



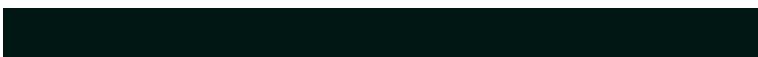
13.2389, 14.2531, 42.0992



8.1921, 9.0544, 10.0365



15.1039, 23.6068, 25.3845



0.4321, 0.6615, 0.7690

Inverse Universe

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



17.6014, 9.0574, 1.5806



31.8809, 16.4100, 2.6301



19.2791, 12.6447, 1.4251



8.0449, 8.0312, 8.5474



12.7784, 6.5739, 1.2126



0.3681, 0.1879, 0.1002

Previews

White Background



This preview shows how the XYZ color 20.8035, 32.5391, 34.8900 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 20.8035, 32.5391, 34.8900 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

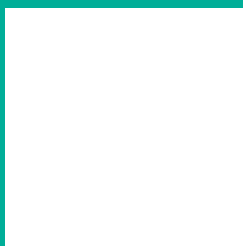
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8035, 32.5391, 34.8900

Background



This preview shows how black text looks on a background with the XYZ color 20.8035, 32.5391, 34.8900.

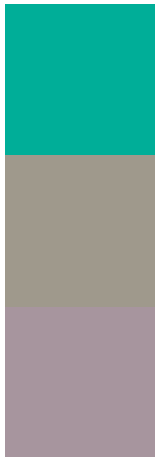


This preview shows how white text looks on a background with the XYZ color 20.8035, 32.5391,

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

20.8035, 32.5391, 34.8900

Protanopia

30.4229, 32.0468, 29.3931

Deuteranopia

32.8554, 32.1790, 36.8273



Tritanopia

24.0943, 32.7727, 49.8556

Trichromacy



Original Color

20.8035, 32.5391, 34.8900

Protanomaly

23.1457, 30.2701, 31.0084

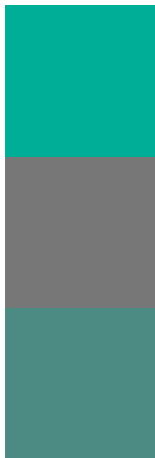
Deuteranomaly

24.1715, 29.9182, 35.9533

Tritanomaly

22.5447, 32.3804, 44.0915

Monochromacy



Original Color

20.8035, 32.5391, 34.8900

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.3098, 21.6404, 24.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8035, 32.5391, 34.8900 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, 174, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 152)  
}
```

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, 174, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.8035, 32.5391, 34.8900 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, 174, 152) }
```


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

```
.border{ border-color:rgb(0, 174, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8035, 32.5391, 34.8900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 152) }
```

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

```
.background{ background-color: rgb(0, 174,  
152) }
```

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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