

Converting Colors

XYZ(11.9976, 28.0552, 32.3343)

Have a look what the booklet for
XYZ(11.9976, 28.0552, 32.3343)
contains.

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Color

**XYZ(20.4025, 32.3787,
32.7782)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE93
RGB	0, 174, 147
RGB Percent	0%, 68%, 58%
CMY	0.9999, 0.3176, 0.4235
CMYK	1.00, 0.00, 0.16, 0.32
HSL	171°, 100%, 34%
HSV	171°, 100%, 68%
XYZ	20.4025, 32.3787, 32.7782
YIQ	118.8960, -95.0370, -45.2850

Conversions

Conversions Part 2

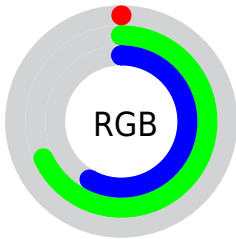
Format	Color
RYB	0, 94, 174
Decimal	44691
CIELab	63.65, -43.96, 3.29
CIELCh	64, 44.085, 175.714
Yxy	32.3787, 0.2385, 0.3784
Android (android.graphics.Color)	4278234771 (0xFF00AE93)
YUV	118.8960, 13.8553, -104.2718
Hunter-Lab	56.9023, -35.5772, 5.6780

Details

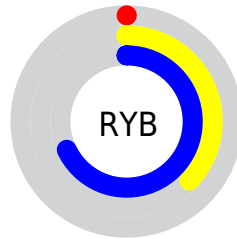
The XYZ color **20.4025, 32.3787, 32.7782** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.6545, 9.0786, 1.8600**, and the grayscale version is **17.4830, 18.3935, 20.0305**.

A 20% lighter version of the original color is **43.4555, 63.1904, 65.1650**, and **8.8741, 14.2960, 13.6010** is the 20% darker color. If you saturate the color by 10%, you get **20.4029, 32.3797, 32.7777**, and if you desaturate by 10%, it is **20.8564, 32.5887, 33.9195**.

Distribution



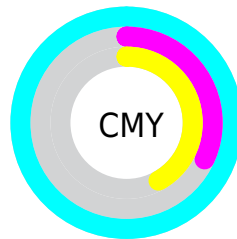
- Red (0%)
- Green (68%)
- Blue (58%)



- Red (0%)
- Yellow (37%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4025, 32.3787, 32.7782 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 20.4025, 32.3787, 32.7782 by changing the saturation by 10% instead.


 20.4025, 32.3787,
32.7782


 20.4025, 32.3787,
32.7782


246.8781,
312.8408, 329.2504


 12.7979, 21.6509,
21.6869

 43.5898, 63.4043,
65.1411


 7.3656, 13.6006,
13.4309


 59.9032, 84.4709,
87.2498


 3.7401, 7.8434,
7.5917


 79.8503, 109.7526,
113.8679

 1.5562, 3.9949,
3.7508

 103.7964,
139.6337, 145.4141

 0.3636, 1.6707,
1.4897

 132.1069,
174.4987, 182.3070

 0.0000, 0.4046,
0.2102

 165.1471,

 0.0000, 0.0000,

214.7319, 224.9649

0.0000

203.2824,
260.7178, 273.8066

■ 20.4025, 32.3787,
32.7782

■ 20.4025, 32.3787,
32.7782

■ 20.4029, 32.3797,
32.7777

■ 20.8564, 32.5887,
33.9195

■ 21.5242, 32.9076,
35.0962

■ 22.4892, 33.3791,
36.3131

■ 23.7897, 34.0231,
37.5723

■ 25.4584, 34.8562,
38.8753

■ 27.5237, 35.8932,
40.2237

■ 30.0116, 37.1474,
41.6189

■ 32.9455, 38.6310,
43.0621

■ 36.3474, 40.3553,
44.5545

Harmonies

Analogous

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



21.9826, 32.3787, 19.3796



20.4025, 32.3787, 32.7782



21.2822, 32.3787, 52.1327

Triad

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



20.4025, 32.3787, 32.7782



36.2104, 32.3787, 75.5432



37.9476, 32.3787, 13.9855

Complementary

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



20.4025, 32.3787, 32.7782



17.6545, 9.0786, 1.8600

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.



42.7389, 32.3787, 22.4805



20.4025, 32.3787, 32.7782



41.6457, 32.3787, 58.0469

Square

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



20.4025, 32.3787, 32.7782



29.8976, 32.3787, 81.1048



44.1748, 32.3787, 37.8533



31.6694, 32.3787, 11.0800

Rectangle

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



20.4025, 32.3787, 32.7782



23.2176, 32.3787, 65.5722



44.1748, 32.3787, 37.8533



39.8166, 32.3787, 16.1078

Sweetspot

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



20.4034, 32.3799, 32.7790



54.1711, 67.2457, 75.3506



15.6439, 30.5347, 5.0698



11.6082, 14.7282, 16.5131



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.



20.4034, 32.3799, 32.7790



36.9398, 58.7046, 59.0958



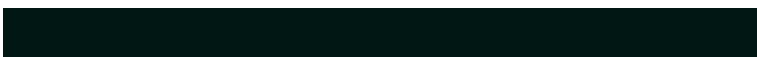
13.8869, 15.5489, 42.3152



8.1821, 9.0504, 9.9840



14.8156, 23.4915, 23.8666



0.4263, 0.6592, 0.7384

Inverse Universe

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



17.6545, 9.0786, 1.8600



31.9695, 16.4454, 3.0967



18.9700, 12.0266, 1.3221



8.0540, 8.0349, 8.5954



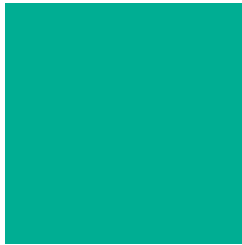
12.8188, 6.5901, 1.4255



0.3717, 0.1894, 0.1192

Previews

White Background



This preview shows how the XYZ color 20.4025, 32.3787, 32.7782 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 20.4025, 32.3787, 32.7782 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 20.4025, 32.3787, 32.7782

Background



This preview shows how black text looks on a background with the XYZ color 20.4025, 32.3787, 32.7782.

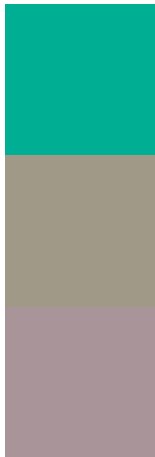


This preview shows how white text looks on a background with the XYZ color 20.4025, 32.3787, 32.7782.

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

20.4025, 32.3787, 32.7782

Protanopia

30.3324, 32.0336, 27.8770

Deuteranopia

32.4881, 31.8045, 34.5636



Tritanopia

24.0018, 32.4478, 49.7978

Trichromacy



Original Color

20.4025, 32.3787, 32.7782



Protanomaly

22.9580, 30.2080, 29.4317



Deuteranomaly

23.7063, 29.4741, 33.7178



Tritanomaly

22.3837, 32.3194, 43.0887

Monochromacy



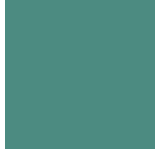
Original Color

20.4025, 32.3787, 32.7782



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.1756, 21.5867, 24.0830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4025, 32.3787, 32.7782 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.4025, 32.3787, 32.7782 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, 147) }
```


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

```
.border{ border-color:rgb(0, 174, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 174, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 174, 147); box-shadow:4px 4px 4px 4px rgb(0, 174, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4025, 32.3787, 32.7782 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, 147) }
```

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

```
.background{ background-color: rgb(0, 174,  
147) }
```

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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