

Converting Colors

XYZ(18.6452, 31.7090, 30.1025)

Have a look what the booklet for
XYZ(18.6452, 31.7090, 30.1025)
contains.

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Color

**XYZ(20.0636, 32.5534,
30.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF8C
RGB	0, 175, 140
RGB Percent	0%, 69%, 55%
CMY	0.9999, 0.3137, 0.4510
CMYK	1.00, 0.00, 0.20, 0.31
HSL	168°, 100%, 34%
HSV	168°, 100%, 69%
XYZ	20.0636, 32.5534, 30.0369
YIQ	118.6850, -93.0650, -47.9850

Conversions

Conversions Part 2

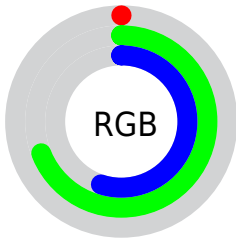
Format	Color
RYB	0, 97, 175
Decimal	44940
CIELab	63.80, -46.25, 7.39
CIELCh	64, 46.832, 170.925
Yxy	32.5534, 0.2427, 0.3939
Android (android.graphics.Color)	4278235020 (0xFF00AF8C)
YUV	118.6850, 10.5083, -104.0867
Hunter-Lab	57.0556, -37.0777, 8.7257

Details

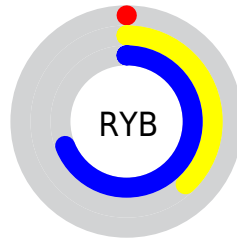
The XYZ color **20.0636, 32.5534, 30.0369** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.9837, 9.2362, 2.4267**, and the grayscale version is **17.4263, 18.3339, 19.9656**.

A 20% lighter version of the original color is **42.9296, 63.4266, 61.0189**, and **8.6828, 14.4129, 11.9972** is the 20% darker color. If you saturate the color by 10%, you get **20.0639, 32.5544, 30.0361**, and if you desaturate by 10%, it is **20.5672, 32.7835, 31.4303**.

Distribution



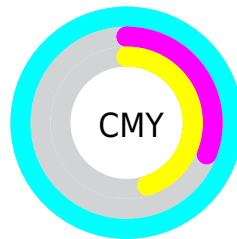
- Red (0%)
- Green (69%)
- Blue (55%)



- Red (0%)
- Yellow (38%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0636, 32.5534, 30.0369 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 20.0636, 32.5534, 30.0369 by changing the saturation by 10% instead.


 20.0636, 32.5534,
30.0369

 20.0636, 32.5534,
30.0369


245.0862,
313.6325, 316.2891


 12.5498, 21.7845,
19.6143


 43.0269, 63.6776,
60.7822


 7.1941, 13.6987,
11.9337


 59.2072, 84.8018,
81.9420


 3.6312, 7.9114,
6.5766


 79.0069, 110.1466,
107.5180

 1.4957, 4.0383,
3.1243

 102.7916,
140.0963, 137.9287

 0.3229, 1.6950,
1.1585

 130.9265,
175.0353, 173.5926

 0.0000, 0.4204,
0.0000

 163.7770,

 0.0000, 0.0000,

215.3481, 214.9282

0.0000

201.7085,
261.4190, 262.3542

■ 20.0636, 32.5534,
30.0369

■ 20.0636, 32.5534,
30.0369

■ 20.0639, 32.5544,
30.0361

■ 20.5672, 32.7835,
31.4303

■ 21.2910, 33.1254,
32.8765

■ 22.3193, 33.6233,
34.3806

■ 23.6909, 34.2971,
35.9448

■ 25.4388, 35.1641,
37.5710

■ 27.5922, 36.2390,
39.2609

■ 30.1773, 37.5355,
41.0162

■ 33.2180, 39.0658,
42.8383

■ 36.7364, 40.8415,
44.7286

Harmonies

Analogous

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



22.1301, 32.5534, 17.1748



20.0636, 32.5534, 30.0369



20.5738, 32.5534, 50.0071

Triad

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



20.0636, 32.5534, 30.0369



35.6777, 32.5534, 81.1419



39.6109, 32.5534, 14.1171

Complementary

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



20.0636, 32.5534, 30.0369



17.9837, 9.2362, 2.4267

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.



44.3109, 32.5534, 24.0261



20.0636, 32.5534, 30.0369



41.8261, 32.5534, 63.5062

Square

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



20.0636, 32.5534, 30.0369



28.9900, 32.5534, 84.5477



45.1744, 32.5534, 41.4664



32.9777, 32.5534, 10.3707

Rectangle

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



20.0636, 32.5534, 30.0369



22.3405, 32.5534, 64.8354



45.1744, 32.5534, 41.4664



41.5063, 32.5534, 16.6286

Sweetspot

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



20.0645, 32.5547, 30.0377



53.7790, 67.0889, 73.2864



16.1275, 31.0719, 5.1481



11.5103, 14.6890, 15.9974



84.5950, 89.0005, 96.9216



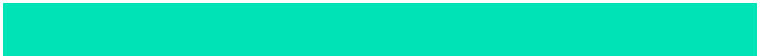
16.2198, 17.0645, 18.5832

Same Dimension

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



20.0645, 32.5547, 30.0377



35.8528, 58.2698, 53.3721



15.1259, 17.8703, 43.2110



8.1666, 9.0442, 9.9025



14.3901, 23.3213, 21.6258



0.4175, 0.6557, 0.6923

Inverse Universe

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



17.9837, 9.2362, 2.4267



32.1441, 16.5153, 4.0164



18.8035, 11.3614, 1.2025



8.0683, 8.0406, 8.6706



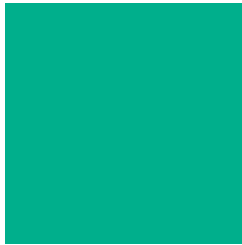
12.8962, 6.6210, 1.8329



0.3774, 0.1916, 0.1489

Previews

White Background



This preview shows how the XYZ color 20.0636, 32.5534, 30.0369 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 20.0636, 32.5534, 30.0369 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

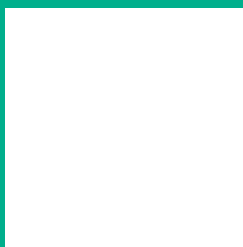
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0636, 32.5534, 30.0369

Background



This preview shows how black text looks on a background with the XYZ color 20.0636, 32.5534, 30.0369.

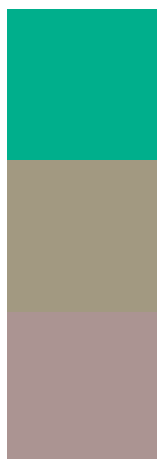


This preview shows how white text looks on a background with the XYZ color 20.0636, 32.5534,

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

20.0636, 32.5534, 30.0369

Protanopia

30.2540, 32.0488, 25.3604

Deuteranopia

32.5728, 31.9131, 31.6372



Tritanopia

24.2034, 32.5517, 49.8072

Trichromacy



Original Color

20.0636, 32.5534, 30.0369



Protanomaly

22.5720, 30.0668, 26.8041



Deuteranomaly

23.5676, 29.7185, 30.8797



Tritanomaly

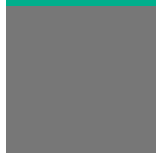
22.1976, 32.2559, 41.6153

Monochromacy



Original Color

20.0636, 32.5534, 30.0369



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.0439, 21.5340, 23.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0636, 32.5534, 30.0369 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, 175, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 140)  
}
```

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, 175, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.0636, 32.5534, 30.0369 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, 175, 140) }
```


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

```
.border{ border-color:rgb(0, 175, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0636, 32.5534, 30.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 140) }
```

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

```
.background{ background-color: rgb(0, 175,  
140) }
```

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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