

Converting Colors

XYZ(12.6061, 28.2326, 34.1792)

Have a look what the booklet for
XYZ(12.6061, 28.2326, 34.1792)
contains.

XYZ(20.7220, 32.5065, 34.4604)	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(20.7220, 32.5065,
34.4604)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE97
RGB	0, 174, 151
RGB Percent	0%, 68%, 59%
CMY	0.9999, 0.3176, 0.4078
CMYK	1.00, 0.00, 0.13, 0.32
HSL	172°, 100%, 34%
HSV	172°, 100%, 68%
XYZ	20.7220, 32.5065, 34.4604
YIQ	119.3520, -96.3210, -44.0410

Conversions

Conversions Part 2

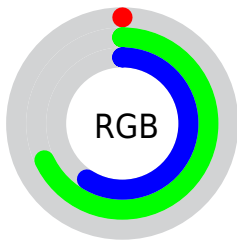
Format	Color
RYB	0, 93, 174
Decimal	44695
CIELab	63.76, -42.86, 1.22
CIElCh	64, 42.876, 178.370
Yxy	32.5065, 0.2363, 0.3707
Android (android.graphics.Color)	4278234775 (0xFF00AE97)
YUV	119.3520, 15.6025, -104.6717
Hunter-Lab	57.0145, -34.8992, 4.0744

Details

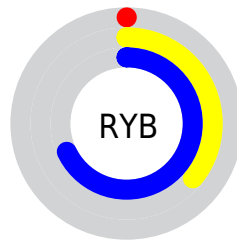
The XYZ color **20.7220, 32.5065, 34.4604** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.6114, 9.0615, 1.6328**, and the grayscale version is **17.6229, 18.5406, 20.1907**.

A 20% lighter version of the original color is **44.0356, 63.4343, 67.6807**, and **9.0167, 14.3530, 14.3518** is the 20% darker color. If you saturate the color by 10%, you get **20.7223, 32.5075, 34.4597**, and if you desaturate by 10%, it is **21.1502, 32.7062, 35.4661**.

Distribution



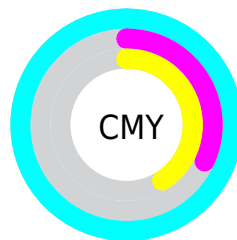
- Red (0%)
- Green (68%)
- Blue (59%)



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



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





- Cyan (100%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7220, 32.5065, 34.4604 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 20.7220, 32.5065, 34.4604 by changing the saturation by 10% instead.


 20.7220, 32.5065,
34.4604

 20.7220, 32.5065,
34.4604


248.5571,
313.4201, 337.0117


 13.0322, 21.7487,
22.9673


 44.1192, 63.6043,
67.7910


 7.5279, 13.6723,
14.3643


 60.5573, 84.7130,
90.4657


 3.8436, 7.8931,
8.2328


 80.6423, 110.0408,
117.7046

 1.6141, 4.0266,
4.1544

 104.7394,
139.9721, 149.9262

 0.4015, 1.6885,
1.7104

 133.2142,
174.8913, 187.5493

 0.0000, 0.4162,
0.3679

 166.4318,

 0.0000, 0.0000,

215.1828, 230.9921

0.0000

204.7576,
261.2309, 280.6735

■ 20.7220, 32.5065,
34.4604

■ 20.7220, 32.5065,
34.4604

■ 20.7223, 32.5075,
34.4597

■ 21.1502, 32.7062,
35.4661

■ 21.7909, 33.0143,
36.5001

■ 22.7276, 33.4745,
37.5673

■ 23.9985, 34.1066,
38.6694

■ 25.6360, 34.9273,
39.8081

■ 27.6689, 35.9513,
40.9849

■ 30.1229, 37.1920,
42.2011

■ 33.0216, 38.6615,
43.4578

■ 36.3868, 40.3711,
44.7563

Harmonies

Analogous

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



22.0621, 32.5065, 20.7160



20.7220, 32.5065, 34.4604



21.8003, 32.5065, 53.5703

Triad

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



20.7220, 32.5065, 34.4604



36.7211, 32.5065, 73.2469



37.3640, 32.5065, 14.0267

Complementary

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



20.7220, 32.5065, 34.4604



17.6114, 9.0615, 1.6328

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.



42.2249, 32.5065, 21.8787



20.7220, 32.5065, 34.4604



41.8212, 32.5065, 55.7500

Square

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



20.7220, 32.5065, 34.4604



30.5687, 32.5065, 79.8723



43.9519, 32.5065, 36.3444



31.2265, 32.5065, 11.5434

Rectangle

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



20.7220, 32.5065, 34.4604



23.8357, 32.5065, 66.3539



43.9519, 32.5065, 36.3444



39.2297, 32.5065, 15.9676

Sweetspot

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



20.7229, 32.5077, 34.4612



54.3749, 67.3272, 76.4240



15.4952, 30.4580, 5.0630



11.6593, 14.7486, 16.7818



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.



20.7229, 32.5077, 34.4612



37.5272, 58.9395, 62.1890



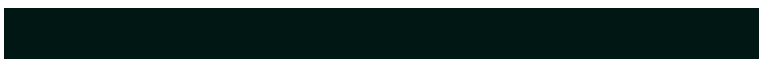
13.2393, 14.2537, 42.0993



8.1901, 9.0536, 10.0260



15.0452, 23.5834, 25.0755



0.4309, 0.6610, 0.7628

Inverse Universe

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



17.6114, 9.0615, 1.6328



31.8972, 16.4165, 2.7162



19.2794, 12.6452, 1.4254



8.0468, 8.0320, 8.5570



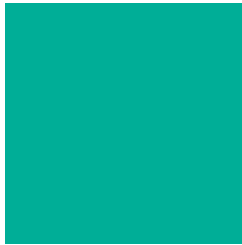
12.7859, 6.5769, 1.2523



0.3688, 0.1882, 0.1040

Previews

White Background



This preview shows how the XYZ color 20.7220, 32.5065, 34.4604 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 20.7220, 32.5065, 34.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

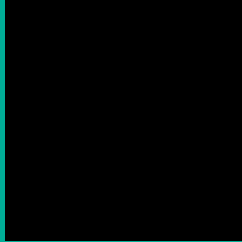
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7220, 32.5065, 34.4604

Background



This preview shows how black text looks on a background with the XYZ color 20.7220, 32.5065, 34.4604.

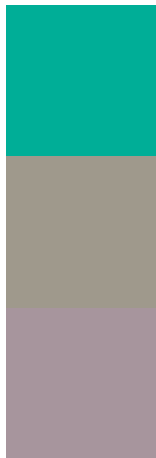


This preview shows how white text looks on a background with the XYZ color 20.7220, 32.5065,

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

20.7220, 32.5065, 34.4604

Protanopia

30.4229, 32.0468, 29.3931

Deuteranopia

32.7696, 32.1447, 36.3757



Tritanopia

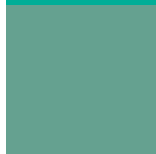
23.9075, 32.3992, 49.7934

Trichromacy



Original Color

20.7220, 32.5065, 34.4604



Protanomaly

23.1457, 30.2701, 31.0084



Deuteranomaly

24.0871, 29.8844, 35.5091



Tritanomaly

22.4490, 32.3421, 43.5875

Monochromacy



Original Color

20.7220, 32.5065, 34.4604



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 20.7220, 32.5065, 34.4604 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.7220, 32.5065, 34.4604 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, 151) }
```


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

```
.border{ border-color:rgb(0, 174, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7220, 32.5065, 34.4604 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, 151) }
```

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

```
.background{ background-color: rgb(0, 174,  
151) }
```

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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