

Converting Colors

XYZ(21.6991, 32.7123, 40.1764)

Have a look what the booklet for
XYZ(21.6991, 32.7123, 40.1764)
contains.

XYZ(21.6444, 32.5675, 40.2673)	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(21.6444, 32.5675,
40.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADA4
RGB	0, 173, 164
RGB Percent	0%, 68%, 64%
CMY	0.9999, 0.3216, 0.3569
CMYK	1.00, 0.00, 0.05, 0.32
HSL	177°, 100%, 34%
HSV	177°, 100%, 68%
XYZ	21.6444, 32.5675, 40.2673
YIQ	120.2470, -100.2190, -39.4750

Conversions

Conversions Part 2

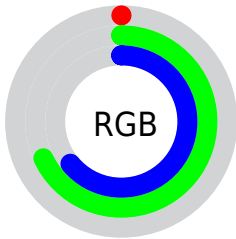
Format	Color
RYB	0, 89, 173
Decimal	44452
CIELab	63.81, -38.67, -5.96
CIElCh	64, 39.129, 188.755
Yxy	32.5675, 0.2291, 0.3447
Android (android.graphics.Color)	4278234532 (0xFF00ADA4)
YUV	120.2470, 21.5702, -105.4566
Hunter-Lab	57.0679, -32.1684, -1.8876

Details

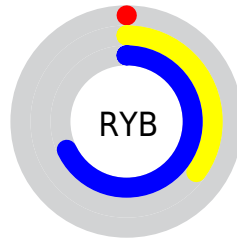
The XYZ color **21.6444, 32.5675, 40.2673** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2839, 8.9049, 1.0671**, and the grayscale version is **17.8906, 18.8224, 20.4975**.

A 20% lighter version of the original color is **45.6294, 63.6399, 76.8966**, and **9.6411, 14.6028, 17.6397** is the 20% darker color. If you saturate the color by 10%, you get **21.6449, 32.5685, 40.2674**, and if you desaturate by 10%, it is **21.9637, 32.7234, 40.7089**.

Distribution



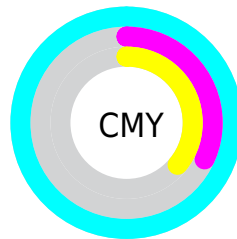
- Red (0%)
- Green (68%)
- Blue (64%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6444, 32.5675, 40.2673 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 21.6444, 32.5675, 40.2673 by changing the saturation by 10% instead.

■ 21.6444, 32.5675,
40.2673

■ 21.6444, 32.5675,
40.2673

■ 253.3510,
313.6963, 362.8345

■ 13.7110, 21.7953,
27.4316

■ 45.6408, 63.6997,
76.8119

■ 8.0003, 13.7066,
17.6624

■ 62.4345, 84.8285,
101.3579

■ 4.1469, 7.9169,
10.5409

■ 82.9123, 110.1783,
130.6445

■ 1.7856, 4.0418,
5.6488

■ 107.4397,
140.1336, 165.0902

■ 0.5090, 1.6970,
2.5674

■ 136.3818,
175.0786, 205.1135

■ 0.0000, 0.4217,
0.8756

■ 170.1042,

■ 0.0000, 0.0000,

215.3978, 251.1329

0.0000

208.9721,
261.4756, 303.5671

■ 21.6444, 32.5675,
40.2673

■ 21.6444, 32.5675,
40.2673

■ 21.6449, 32.5685,
40.2674

■ 21.9637, 32.7234,
40.7089

■ 22.4894, 32.9849,
41.1625

■ 23.3041, 33.3953,
41.6327

■ 24.4454, 33.9741,
42.1211

■ 25.9454, 34.7377,
42.6293

■ 27.8324, 35.7007,
43.1587

■ 30.1317, 36.8762,
43.7105

■ 32.8665, 38.2761,
44.2856

■ 36.0584, 39.9116,
44.8852

Harmonies

Analogous

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



22.1163, 32.5675, 25.5897



21.6444, 32.5675, 40.2673



23.4264, 32.5675, 57.9684

Triad

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



21.6444, 32.5675, 40.2673



38.0487, 32.5675, 64.6690



34.9418, 32.5675, 14.0779

Complementary

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



21.6444, 32.5675, 40.2673



17.2839, 8.9049, 1.0671

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.



39.9438, 32.5675, 19.6945



21.6444, 32.5675, 40.2673



41.8800, 32.5675, 47.5902

Square

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



21.6444, 32.5675, 40.2673



32.5902, 32.5675, 74.5491



42.6117, 32.5675, 31.0523



29.3743, 32.5675, 13.1777

Rectangle

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



21.6444, 32.5675, 40.2673



25.7925, 32.5675, 68.1213



42.6117, 32.5675, 31.0523



36.7629, 32.5675, 15.3754

Sweetspot

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



21.6454, 32.5687, 40.2681



53.7209, 65.9177, 78.2265



15.0897, 29.9632, 4.9889



11.2943, 14.1308, 16.9121



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.6454, 32.5687, 40.2681



38.7383, 58.3166, 71.9807



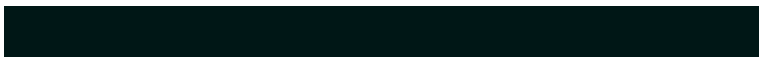
11.9154, 11.7614, 41.1787



8.2181, 9.0648, 10.1733



15.9075, 23.9283, 29.6164



0.4479, 0.6678, 0.8521

Inverse Universe

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



17.2839, 8.9049, 1.0671



30.9290, 15.9370, 1.7836



19.7492, 13.9144, 1.6456



8.0215, 8.0219, 8.4241



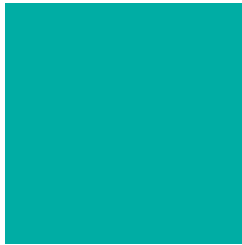
12.7035, 6.5440, 0.8184



0.3587, 0.1842, 0.0509

Previews

White Background



This preview shows how the XYZ color 21.6444, 32.5675, 40.2673 looks on a white background.

Color Contrast Check

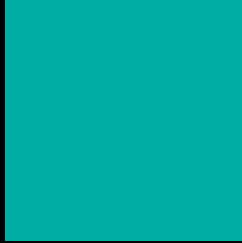
Large Text (above 18pt) WCAG AA × Fail

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 21.6444, 32.5675, 40.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

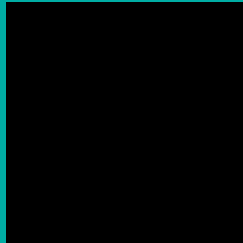
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

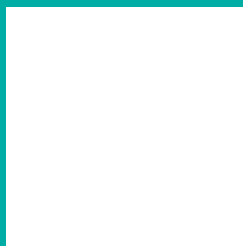
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6444, 32.5675, 40.2673

Background



This preview shows how black text looks on a background with the XYZ color 21.6444, 32.5675, 40.2673.

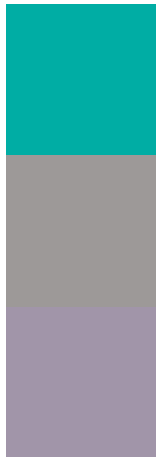


This preview shows how white text looks on a background with the XYZ color 21.6444, 32.5675,

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

21.6444, 32.5675, 40.2673

Protanopia

30.9634, 32.2176, 34.2924

Deuteranopia

32.6068, 31.9365, 41.9819



Tritanopia

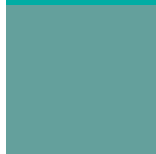
23.8632, 32.6415, 50.3901

Trichromacy



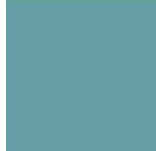
Original Color

21.6444, 32.5675, 40.2673



Protanomaly

23.8271, 30.2512, 36.0357



Deuteranomaly

24.6814, 30.0685, 41.0622



Tritanomaly

22.8996, 32.5068, 46.6625

Monochromacy



Original Color

21.6444, 32.5675, 40.2673



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.6570, 21.7793, 26.6185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6444, 32.5675, 40.2673 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, 173, 164)` looks like.

```
.text, #text, p{  
  color:rgb(0, 173, 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, 173, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.6444, 32.5675, 40.2673 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, 173, 164) }
```


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

```
.border{ border-color:rgb(0, 173, 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, 173, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6444, 32.5675, 40.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 164) }
```

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

```
.background{ background-color: rgb(0, 173,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor