

Converting Colors

XYZ(15.9576, 28.5306, 51.4935)

Have a look what the booklet for
XYZ(15.9576, 28.5306, 51.4935)
contains.

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Color

**XYZ(23.3444, 32.3373,
52.0251)**

Conversions

Conversions Part 1

Format	Color
Hex	00AABB
RGB	0, 170, 187
RGB Percent	0%, 67%, 73%
CMY	0.9998, 0.3333, 0.2667
CMYK	1.00, 0.09, 0.00, 0.27
HSL	185°, 100%, 37%
HSV	185°, 100%, 73%
XYZ	23.3444, 32.3373, 52.0251
YIQ	121.1080, -106.7770, -30.7530

Conversions

Conversions Part 2

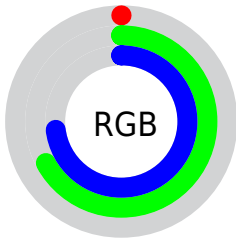
Format	Color
RYB	0, 89, 187
Decimal	43707
CIELab	63.62, -30.07, -19.08
CIELCh	64, 35.610, 212.397
Yxy	32.3373, 0.2167, 0.3002
Android (android.graphics.Color)	4278233787 (0xFF00AABB)
YUV	121.1080, 32.4848, -106.2117
Hunter-Lab	56.8659, -26.2381, -14.4367

Details

The XYZ color **23.3444, 32.3373, 52.0251** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.6951, 10.9672, 1.0273**, and the grayscale version is **18.1362, 19.0807, 20.7789**.

A 20% lighter version of the original color is **48.5196, 63.5164, 94.4967**, and **10.6644, 14.4438, 24.7801** is the 20% darker color. If you saturate the color by 10%, you get **23.3442, 32.3368, 52.0256**, and if you desaturate by 10%, it is **23.9293, 33.1157, 52.1451**.

Distribution



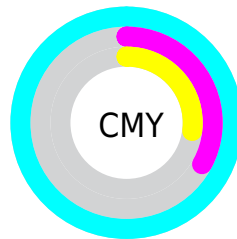
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3444, 32.3373, 52.0251 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 23.3444, 32.3373, 52.0251 by changing the saturation by 10% instead.


 23.3444, 32.3373,
52.0251


 23.3444, 32.3373,
52.0251


261.9914,
312.6529, 411.4932


 14.9701, 21.6193,
36.6427


 48.4207, 63.3395,
94.5952


 8.8846, 13.5774,
24.6374


 65.8535, 84.3924,
122.6200


 4.7225, 7.8273,
15.5905


 87.0364, 109.6592,
155.6960

 2.1184, 3.9847,
9.0837

 112.3349,
139.5240, 194.2418

 0.6992, 1.6650,
4.6982

 142.1143,
174.3714, 238.6759

 0.0000, 0.4008,
2.0157

176.7399,

 0.0000, 0.0000,

214.5858, 289.4167

0.5649

216.5772,
260.5515, 346.8830

■ 0.0000, 0.0000,
0.0000

■ 23.3444, 32.3373,
52.0251

■ 23.3444, 32.3373,
52.0251

■ 23.3442, 32.3368,
52.0256

■ 23.9293, 33.1157,
52.1451

■ 24.7696, 34.0313,
52.2776

■ 25.9586, 35.1328,
52.4275

■ 27.5424, 36.4440,
52.5971

■ 29.5598, 37.9850,
52.7882

■ 32.0451, 39.7734,
53.0025

■ 35.0292, 41.8252,
53.2412

■ 38.5401, 44.1549,
53.5058

■ 42.6040, 46.7759,
53.7976

Harmonies

Analogous

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



22.1333, 32.3373, 36.3681



23.3444, 32.3373, 52.0251



26.5123, 32.3373, 65.5007

Triad

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



23.3444, 32.3373, 52.0251



40.0175, 32.3373, 49.4928



30.3373, 32.3373, 14.3157

Complementary

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



23.3444, 32.3373, 52.0251



20.6951, 10.9672, 1.0273

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.



35.3852, 32.3373, 16.0823



23.3444, 32.3373, 52.0251



41.3199, 32.3373, 34.0764

Square

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



23.3444, 32.3373, 52.0251



36.1519, 32.3373, 63.7828



39.5424, 32.3373, 22.4751



25.8893, 32.3373, 16.7715

Rectangle

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



23.3444, 32.3373, 52.0251



29.4870, 32.3373, 69.9509



39.5424, 32.3373, 22.4751



32.0190, 32.3373, 14.4351

Sweetspot

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



23.3454, 32.3385, 52.0259



62.4430, 74.7097, 95.3307



17.8618, 35.5777, 6.4013



13.2321, 16.0988, 20.9525



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.3454, 32.3385, 52.0259



41.7166, 57.7299, 93.1457



11.6905, 9.0286, 48.1409



9.7324, 10.6571, 12.2163



16.1118, 22.3354, 35.8549



0.6530, 0.9187, 1.4118

Inverse Universe

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



27.7502, 13.4682, 39.1684



49.6518, 24.1007, 69.9007



25.9735, 21.5239, 2.7868



9.8915, 9.6809, 11.8178



19.1333, 9.2845, 27.0592



0.7605, 0.3681, 1.1182

Previews

White Background



This preview shows how the XYZ color 23.3444, 32.3373, 52.0251 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 23.3444, 32.3373, 52.0251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

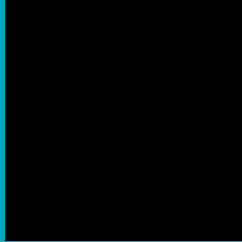
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3444, 32.3373, 52.0251

Background



This preview shows how black text looks on a background with the XYZ color 23.3444, 32.3373, 52.0251.

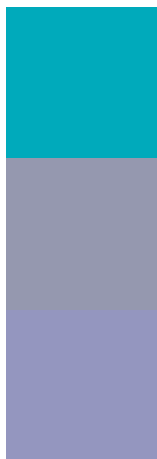


This preview shows how white text looks on a background with the XYZ color 23.3444, 32.3373,

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

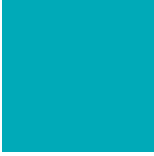
23.3444, 32.3373, 52.0251

Protanopia

31.3605, 31.9412, 45.0698

Deuteranopia

32.5231, 31.8702, 53.7276



Tritanopia

23.0265, 32.2101, 50.3510

Trichromacy



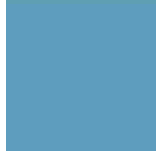
Original Color

23.3444, 32.3373, 52.0251



Protanomaly

25.2541, 30.4838, 47.2008



Deuteranomaly

25.9673, 30.2113, 53.1779



Tritanomaly

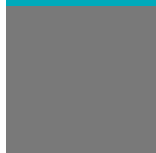
23.1317, 32.2522, 50.9051

Monochromacy



Original Color

23.3444, 32.3373, 52.0251



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.4040, 22.0874, 30.1341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3444, 32.3373, 52.0251 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, 170, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 187)  
}
```

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, 170, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.3444, 32.3373, 52.0251 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, 170, 187) }
```


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

```
.border{ border-color:rgb(0, 170, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3444, 32.3373, 52.0251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 187) }
```

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

```
.background{ background-color: rgb(0, 170,  
187) }
```

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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