

Converting Colors

XYZ(16.5870, 28.4409, 52.3825)

Have a look what the booklet for
XYZ(16.5870, 28.4409, 52.3825)
contains.

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Color

**XYZ(23.2651, 32.0068,
52.5287)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9BC
RGB	0, 169, 188
RGB Percent	0%, 66%, 74%
CMY	0.9998, 0.3372, 0.2627
CMYK	1.00, 0.10, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	23.2651, 32.0068, 52.5287
YIQ	120.6350, -106.8230, -29.9190

Conversions

Conversions Part 2

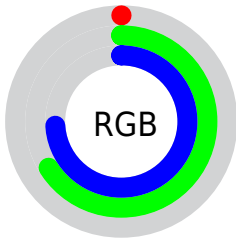
Format	Color
RYB	0, 89, 188
Decimal	43452
CIELab	63.35, -29.25, -20.05
CIELCh	63, 35.462, 214.432
Yxy	32.0068, 0.2158, 0.2969
Android (android.graphics.Color)	4278233532 (0xFF00A9BC)
YUV	120.6350, 33.2109, -105.7969
Hunter-Lab	56.5746, -25.6011, -15.4478

Details

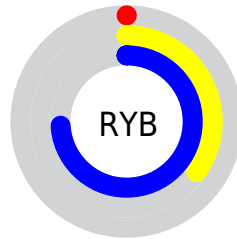
The XYZ color **23.2651, 32.0068, 52.5287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.9731, 11.1587, 1.0496**, and the grayscale version is **17.9816, 18.9181, 20.6018**.

A 20% lighter version of the original color is **48.3999, 63.0347, 95.2039**, and **10.6186, 14.2401, 25.1106** is the 20% darker color. If you saturate the color by 10%, you get **23.2649, 32.0062, 52.5292**, and if you desaturate by 10%, it is **23.8872, 32.8568, 52.6606**.

Distribution



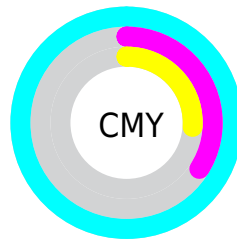
- Red (0%)
- Green (66%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (34%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2651, 32.0068, 52.5287 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 23.2651, 32.0068, 52.5287 by changing the saturation by 10% instead.

■ 23.2651, 32.0068,
52.5287

■ 23.2651, 32.0068,
52.5287

261.5937,
311.1502, 413.4892

■ 14.9111, 21.3667,
37.0415

■ 48.2917, 62.8217,
95.3450

■ 8.8430, 13.3923,
24.9436

■ 65.6951, 83.7654,
123.5112

■ 4.6952, 7.6992,
15.8164

■ 86.8456, 108.9123,
156.7408

■ 2.1025, 3.9031,
9.2414

■ 112.1087,
138.6469, 195.4524

■ 0.6905, 1.6195,
4.8000

■ 141.8497,
173.3536, 240.0645

■ 0.0000, 0.3707,
2.0737

176.4340,

■ 0.0000, 0.0000,

213.4168, 290.9956

0.6001

216.2269,
259.2209, 348.6644

■ 0.0000, 0.0000,
0.0000

■ 23.2651, 32.0068,
52.5287

■ 23.2651, 32.0068,
52.5287

■ 23.2649, 32.0062,
52.5292

■ 23.8872, 32.8568,
52.6606

■ 24.7692, 33.8478,
52.8054

■ 26.0051, 35.0289,
52.9682

■ 27.6417, 36.4243,
53.1513

■ 29.7183, 38.0544,
53.3565

■ 32.2698, 39.9370,
53.5854

■ 35.3272, 42.0882,
53.8395

■ 38.9193, 44.5229,
54.1201

■ 43.0722, 47.2546,
54.4285

Harmonies

Analogous

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



21.9288, 32.0068, 36.9862



23.2651, 32.0068, 52.5287



26.5176, 32.0068, 65.4582

Triad

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



23.2651, 32.0068, 52.5287



39.7808, 32.0068, 47.9034



29.6962, 32.0068, 14.2118

Complementary

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



23.2651, 32.0068, 52.5287



20.9731, 11.1587, 1.0496

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.



34.6910, 32.0068, 15.6742



23.2651, 32.0068, 52.5287



40.8648, 32.0068, 32.7976

Square

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



23.2651, 32.0068, 52.5287



36.0917, 32.0068, 62.3219



38.9128, 32.0068, 21.6629



25.3786, 32.0068, 16.9358

Rectangle

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



23.2651, 32.0068, 52.5287



29.5125, 32.0068, 69.3795



38.9128, 32.0068, 21.6629



31.3490, 32.0068, 14.2376

Sweetspot

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



23.2661, 32.0080, 52.5295



63.7174, 76.0656, 97.5501



18.1001, 36.0136, 6.6061



13.1793, 15.9932, 20.9349



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.



23.2661, 32.0080, 52.5295



42.0588, 57.7962, 95.1653



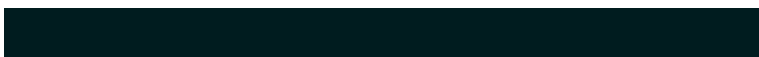
11.6091, 8.6938, 48.6438



9.7240, 10.6402, 12.2135



15.8710, 21.8537, 35.7746



0.6457, 0.9041, 1.4093

Inverse Universe

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



27.9014, 13.5570, 38.6835



50.5121, 24.5468, 69.8248



26.6242, 22.4610, 2.9333



9.8873, 9.6792, 11.7954



19.0117, 9.2358, 26.4189



0.7568, 0.3666, 1.0988

Previews

White Background



This preview shows how the XYZ color 23.2651, 32.0068, 52.5287 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 23.2651, 32.0068, 52.5287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

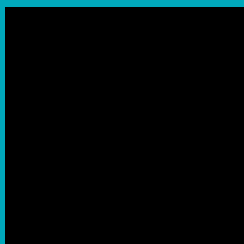
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

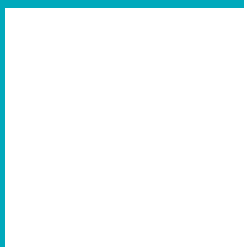
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2651, 32.0068, 52.5287

Background



This preview shows how black text looks on a background with the XYZ color 23.2651, 32.0068, 52.5287.



This preview shows how white text looks on a background with the XYZ color 23.2651, 32.0068,

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

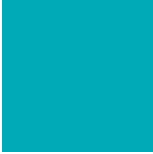
23.2651, 32.0068, 52.5287

Protanopia

31.1158, 31.5637, 45.5267

Deuteranopia

32.4534, 31.8215, 54.3009



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

23.2651, 32.0068, 52.5287

Protanomaly

25.0812, 30.1287, 47.6735

Deuteranomaly

26.0770, 30.2552, 53.7556

Tritanomaly

23.1317, 32.2522, 50.9051

Monochromacy



Original Color

23.2651, 32.0068, 52.5287

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2599, 21.7991, 30.0860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2651, 32.0068, 52.5287 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, 169, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 188)  
}
```

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, 169, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.2651, 32.0068, 52.5287 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, 169, 188) }
```


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

```
.border{ border-color:rgb(0, 169, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2651, 32.0068, 52.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 188) }
```

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

```
.background{ background-color: rgb(0, 169,  
188) }
```

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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