

Converting Colors

XYZ(23.9509, 32.4562, 51.4574)

Have a look what the booklet for
XYZ(23.9509, 32.4562, 51.4574)
contains.

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Color

**XYZ(23.8876, 32.3524,
51.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	27A9BA
RGB	39, 169, 186
RGB Percent	15%, 66%, 73%
CMY	0.8470, 0.3372, 0.2706
CMYK	0.79, 0.09, 0.00, 0.27
HSL	187°, 65%, 44%
HSV	187°, 79%, 73%
XYZ	23.8876, 32.3524, 51.4400
YIQ	132.0680, -82.9370, -22.2730

Conversions

Conversions Part 2

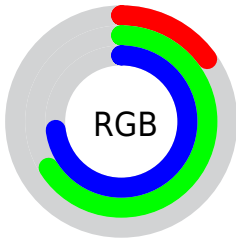
Format	Color
RYB	39, 108, 186
Decimal	2599354
CIELab	63.63, -27.71, -18.47
CIElCh	64, 33.301, 213.683
Yxy	32.3524, 0.2218, 0.3004
Android (android.graphics.Color)	4280789434 (0xFF27A9BA)
YUV	132.0680, 26.5885, -81.6206
Hunter-Lab	56.8792, -24.5737, -13.8049

Details

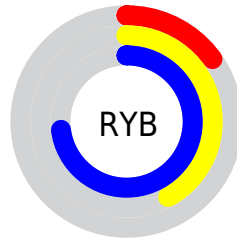
The XYZ color **23.8876, 32.3524, 51.4400** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.0311, 13.4153, 3.3488**, and the grayscale version is **21.8870, 23.0268, 25.0762**.

A 20% lighter version of the original color is **49.3826, 63.5762, 93.6731**, and **10.4790, 14.1842, 24.3758** is the 20% darker color. If you saturate the color by 10%, you get **22.9515, 31.2812, 51.2832**, and if you desaturate by 10%, it is **25.1775, 33.6170, 51.6167**.

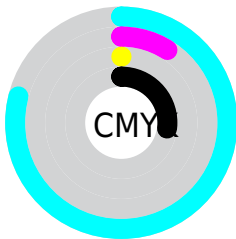
Distribution



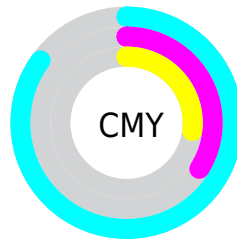
- Red (15%)
- Green (66%)
- Blue (73%)



- Red (15%)
- Yellow (42%)
- Blue (73%)



- Cyan (79%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8876, 32.3524, 51.4400 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 23.8876, 32.3524, 51.4400 by changing the saturation by 10% instead.

■ 23.8876, 32.3524,
51.4400

■ 23.8876, 32.3524,
51.4400

264.7028,
312.7214, 409.1661

■ 15.3745, 21.6308,
36.1797

■ 49.3027, 63.3631,
93.7230

■ 9.1707, 13.5859,
24.2823

■ 66.9355, 84.4211,
121.5828

■ 4.9107, 7.8332,
15.3290

■ 88.3389, 109.6932,
154.4795

■ 2.2292, 3.9884,
8.9014

■ 113.8783,
139.5640, 192.8318

■ 0.7580, 1.6671,
4.5810

■ 143.9190,
174.4179, 237.0580

■ 0.0000, 0.4022,
1.9492

178.8264,

■ 0.0000, 0.0000,

214.6391, 287.5768

0.5238

218.9659,
260.6122, 344.8066

■ 0.0000, 0.0000,
0.0000

■ 23.8876, 32.3524,
51.4400

■ 23.8876, 32.3524,
51.4400

■ 22.9515, 31.2812,
51.2832

■ 25.1775, 33.6170,
51.6167

■ 22.2868, 30.3591,
51.1402

■ 26.8625, 35.0945,
51.8131

■ 22.2265, 30.2720,
51.1266

■ 28.9818, 36.8057,
52.0317

■ 31.5686, 38.7678,
52.2741

■ 34.6533, 40.9966,
52.5417

■ 38.2632, 43.5061,
52.8358

■ 42.4241, 46.3097,
53.1577

■ 47.1596, 49.4197,
53.5084

■ 52.4924, 52.8476,
53.8889

Harmonies

Analogous

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



22.6553, 32.3524, 36.8988



23.8876, 32.3524, 51.4400



26.9504, 32.3524, 63.5590

Triad

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



23.8876, 32.3524, 51.4400



39.4903, 32.3524, 47.8555



30.1786, 32.3524, 15.3389

Complementary

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



23.8876, 32.3524, 51.4400



22.0311, 13.4153, 3.3488

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.



34.8909, 32.3524, 16.8838



23.8876, 32.3524, 51.4400



40.5742, 32.3524, 33.6051

Square

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



23.8876, 32.3524, 51.4400



35.9856, 32.3524, 61.1496



38.8149, 32.3524, 22.8371



26.0486, 32.3524, 17.9125

Rectangle

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



23.8876, 32.3524, 51.4400



29.7758, 32.3524, 67.3382



38.8149, 32.3524, 22.8371



31.7452, 32.3524, 15.3979

Sweetspot

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



23.8886, 32.3536, 51.4408



65.7173, 76.3482, 95.4744



19.0554, 35.8135, 9.3630



13.9724, 16.4631, 20.9838



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.



23.8886, 32.3536, 51.4408



40.6803, 55.4298, 92.7563



14.0500, 12.6763, 48.1612



9.1756, 10.0285, 11.5315



14.9883, 20.4363, 34.4077



0.5537, 0.7711, 1.2214

Inverse Universe

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



28.1376, 14.7558, 38.9024



49.1842, 24.1262, 66.7832



28.2324, 25.8178, 5.4159



9.3350, 9.1444, 11.1115



18.1791, 8.8454, 24.6276



0.6536, 0.3169, 0.9355

Previews

White Background



This preview shows how the XYZ color 23.8876, 32.3524, 51.4400 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 23.8876, 32.3524, 51.4400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

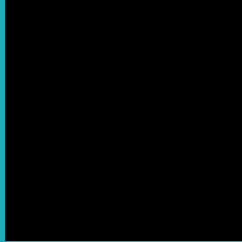
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8876, 32.3524, 51.4400

Background



This preview shows how black text looks on a background with the XYZ color 23.8876, 32.3524, 51.4400.

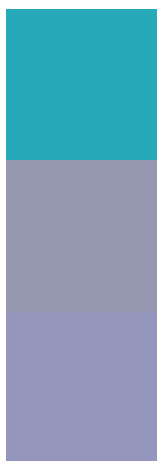


This preview shows how white text looks on a background with the XYZ color 23.8876, 32.3524,

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

23.8876, 32.3524, 51.4400

Protanopia

31.3605, 31.9412, 45.0698

Deuteranopia

32.5950, 31.9200, 53.1584



Tritanopia

23.4628, 32.1699, 49.7725

Trichromacy



Original Color

23.8876, 32.3524, 51.4400

Protanomaly

26.6702, 30.9596, 47.2180

Deuteranomaly

27.5490, 31.0393, 52.6833

Tritanomaly

23.6026, 32.2299, 50.3244

Monochromacy



Original Color

23.8876, 32.3524, 51.4400

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.8299, 25.1145, 33.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8876, 32.3524, 51.4400 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(39, 169, 186)` looks like.

```
.text, #text, p{  
    color:rgb(39, 169, 186)  
}
```

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(39, 169, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 169, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.8876, 32.3524, 51.4400 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(39, 169, 186) }
```


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

```
.border{ border-color:rgb(39, 169, 186) }
```

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

Here you see how a box with a 4 pixel rgb(39, 169, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 169, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 169, 186);  
box-shadow:4px 4px 4px 4px rgb(39, 169,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8876, 32.3524, 51.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 169, 186) }
```

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

```
.background{ background-color: rgb(39, 169,  
186) }
```

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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