

Converting Colors

XYZ(23.5550, 32.9459, 42.1606)

Have a look what the booklet for
XYZ(23.5550, 32.9459, 42.1606)
contains.

XYZ(23.5553, 32.9451, 42.1633)	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(23.5553, 32.9451,
42.1633)**

Conversions

Conversions Part 1

Format	Color
Hex	3DABA8
RGB	61, 171, 168
RGB Percent	24%, 67%, 66%
CMY	0.7608, 0.3294, 0.3412
CMYK	0.64, 0.00, 0.02, 0.33
HSL	178°, 47%, 45%
HSV	178°, 64%, 67%
XYZ	23.5553, 32.9451, 42.1633
YIQ	137.7680, -64.5970, -24.2530

Conversions

Conversions Part 2

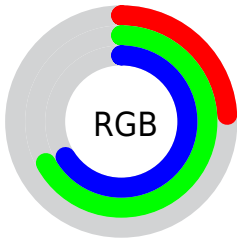
Format	Color
RYB	61, 117, 171
Decimal	4041640
CIELab	64.12, -31.26, -7.64
CIElCh	64, 32.185, 193.741
Yxy	32.9451, 0.2387, 0.3339
Android (android.graphics.Color)	4282231720 (0xFF3DABA8)
YUV	137.7680, 14.9044, -67.3255
Hunter-Lab	57.3978, -27.1922, -3.3748

Details

The XYZ color **23.5553, 32.9451, 42.1633** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3899, 12.3667, 6.2167**, and the grayscale version is **24.0329, 25.2845, 27.5348**.

A 20% lighter version of the original color is **48.8144, 64.4035, 79.6704**, and **9.6308, 14.2178, 18.7597** is the 20% darker color. If you saturate the color by 10%, you get **22.6227, 32.4701, 41.8938**, and if you desaturate by 10%, it is **24.8256, 33.5957, 42.4509**.

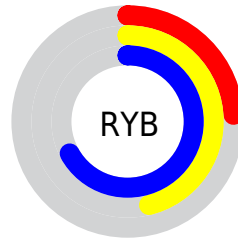
Distribution



Red (24%)

Green (67%)

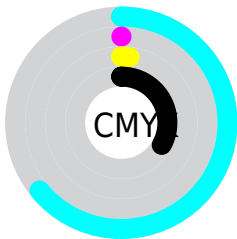
Blue (66%)



Red (24%)

Yellow (46%)

Blue (67%)

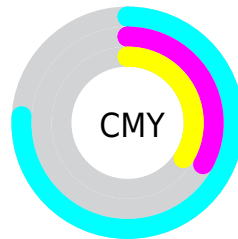


Cyan (64%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5553, 32.9451, 42.1633 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 23.5553, 32.9451, 42.1633 by changing the saturation by 10% instead.

■ 23.5553, 32.9451,
42.1633

■ 23.5553, 32.9451,
42.1633

263.0468,
315.4023, 370.9790

■ 15.1270, 22.0844,
28.9027

■ 48.7635, 64.2898,
79.7195

■ 8.9955, 13.9189,
18.7622

■ 66.2741, 85.5426,
104.8521

■ 4.7953, 8.0643,
11.3235

■ 87.5430, 111.0282,
134.7791

■ 2.1612, 4.1361,
6.1680

■ 112.9353,
141.1310, 169.9190

■ 0.7222, 1.7500,
2.8771

■ 142.8165,
176.2354, 210.6905

■ 0.0000, 0.4557,
1.0322

177.5519,

■ 0.0000, 0.0000,

216.7259, 257.5119

0.0000

217.5069,
262.9867, 310.8019

■ 23.5553, 32.9451,
42.1633

■ 23.5553, 32.9451,
42.1633

■ 22.6227, 32.4701,
41.8938

■ 24.8256, 33.5957,
42.4509

■ 21.9916, 32.1498,
41.6386

■ 26.4596, 34.4330,
42.7555

■ 21.6231, 31.9648,
41.3964

■ 28.4838, 35.4715,
43.0792

■ 21.4773, 31.8924,
41.2623

■ 30.9219, 36.7232,
43.4232

■ 33.7953, 38.1994,
43.7883

■ 37.1242, 39.9104,
44.1755

■ 40.9274, 41.8659,
44.5858

■ 45.2226, 44.0750,
45.0199

■ 50.0267, 46.5464,
45.4786

Harmonies

Analogous

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



23.6378, 32.9451, 29.2992



23.5553, 32.9451, 42.1633



25.4042, 32.9451, 56.1510

Triad

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



23.5553, 32.9451, 42.1633



37.7652, 32.9451, 57.2081



33.8292, 32.9451, 16.7828

Complementary

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



23.5553, 32.9451, 42.1633



19.3899, 12.3667, 6.2167

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.



38.0743, 32.9451, 21.1780



23.5553, 32.9451, 42.1633



40.4930, 32.9451, 43.3600

Square

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



23.5553, 32.9451, 42.1633



33.4394, 32.9451, 66.1574



40.6113, 32.9451, 30.2392



29.2794, 32.9451, 16.6115

Rectangle

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



23.5553, 32.9451, 42.1633



27.5972, 32.9451, 63.3847



40.6113, 32.9451, 30.2392



35.3489, 32.9451, 17.7562

Sweetspot

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



23.5563, 32.9464, 42.1641



57.8449, 67.0345, 78.0873



17.5643, 30.5765, 9.3919



12.5870, 14.7884, 17.3735



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.



23.5563, 32.9464, 42.1641



39.9969, 57.8869, 74.8395



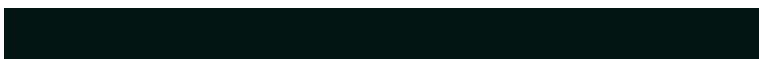
15.9528, 17.2867, 41.0253



8.2268, 9.0683, 10.2191



16.1934, 24.0427, 31.1221



0.4534, 0.6700, 0.8810

Inverse Universe

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



19.3899, 12.3667, 6.2167



31.9694, 18.1583, 5.5213



23.4692, 20.6583, 7.1663



8.0138, 8.0188, 8.3833



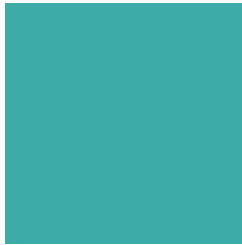
12.6831, 6.5358, 0.7110



0.3556, 0.1829, 0.0346

Previews

White Background



This preview shows how the XYZ color 23.5553, 32.9451, 42.1633 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 23.5553, 32.9451, 42.1633 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

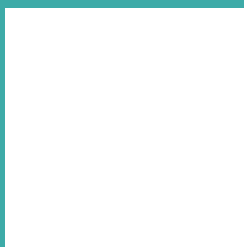
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5553, 32.9451, 42.1633

Background



This preview shows how black text looks on a background with the XYZ color 23.5553, 32.9451, 42.1633.

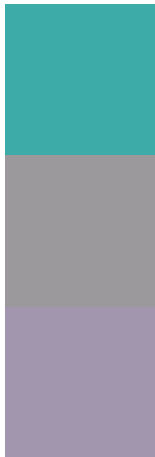


This preview shows how white text looks on a background with the XYZ color 23.5553, 32.9451,

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

23.5553, 32.9451, 42.1633

Protanopia

31.1873, 32.2847, 36.4861

Deuteranopia

33.1471, 32.4069, 44.0433



Tritanopia

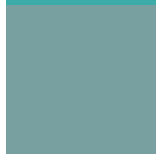
25.0154, 32.9823, 49.3037

Trichromacy



Original Color

23.5553, 32.9451, 42.1633



Protanomaly

26.8890, 31.7798, 38.4351



Deuteranomaly

28.0350, 31.7540, 43.1796



Tritanomaly

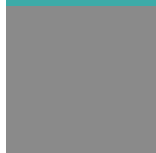
24.4905, 33.0476, 46.6830

Monochromacy



Original Color

23.5553, 32.9451, 42.1633



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.7616, 27.2976, 32.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5553, 32.9451, 42.1633 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(61, 171, 168)` looks like.

```
.text, #text, p{  
    color:rgb(61, 171, 168)  
}
```

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(61, 171, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 171, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.5553, 32.9451, 42.1633 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(61, 171, 168) }
```


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

```
.border{ border-color:rgb(61, 171, 168) }
```

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

Here you see how a box with a 4 pixel rgb(61, 171, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 171, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 171, 168);  
box-shadow:4px 4px 4px 4px rgb(61, 171,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5553, 32.9451, 42.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 171, 168) }
```

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

```
.background{ background-color: rgb(61, 171,  
168) }
```

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