

Converting Colors

XYZ(23.7158, 32.8328, 43.6476)

Have a look what the booklet for
XYZ(23.7158, 32.8328, 43.6476)
contains.

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Color

**XYZ(23.6499, 32.6818,
43.5898)**

Conversions

Conversions Part 1

Format	Color
Hex	3DAAAB
RGB	61, 170, 171
RGB Percent	24%, 67%, 67%
CMY	0.7608, 0.3333, 0.3294
CMYK	0.64, 0.01, 0.00, 0.33
HSL	181°, 47%, 45%
HSV	181°, 64%, 67%
XYZ	23.6499, 32.6818, 43.5898
YIQ	137.5230, -65.2850, -22.7970

Conversions

Conversions Part 2

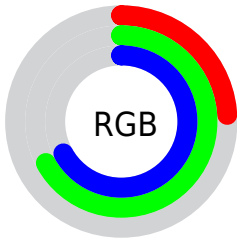
Format	Color
RYB	61, 116, 171
Decimal	4041387
CIELab	63.90, -29.92, -9.64
CIElCh	64, 31.436, 197.857
Yxy	32.6818, 0.2367, 0.3271
Android (android.graphics.Color)	4282231467 (0xFF3DAAAB)
YUV	137.5230, 16.5042, -67.1107
Hunter-Lab	57.1680, -26.2001, -5.1902

Details

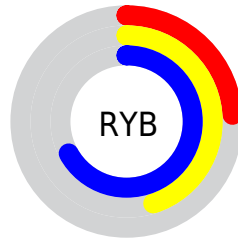
The XYZ color **23.6499, 32.6818, 43.5898** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3602, 12.4409, 5.7968**, and the grayscale version is **23.9342, 25.1806, 27.4217**.

A 20% lighter version of the original color is **48.9499, 64.0213, 81.7289**, and **9.6911, 14.0545, 19.6548** is the 20% darker color. If you saturate the color by 10%, you get **22.7316, 32.1660, 43.5392**, and if you desaturate by 10%, it is **24.9058, 33.3732, 43.6577**.

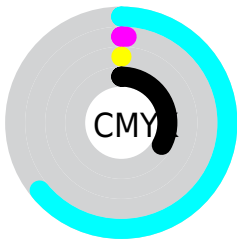
Distribution



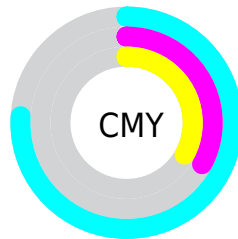
- Red (24%)
- Green (67%)
- Blue (67%)



- Red (24%)
- Yellow (45%)
- Blue (67%)



- Cyan (64%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (76%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6499, 32.6818, 43.5898 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 23.6499, 32.6818, 43.5898 by changing the saturation by 10% instead.

■ 23.6499, 32.6818,
43.5898

■ 23.6499, 32.6818,
43.5898

263.5191,
314.2135, 377.0240

■ 15.1974, 21.8828,
30.0133

■ 48.9171, 63.8784,
81.8960

■ 9.0453, 13.7708,
19.5966

■ 66.4626, 85.0448,
107.4628

■ 4.8281, 7.9614,
11.9210

■ 87.7698, 110.4358,
137.8635

■ 2.1805, 4.0703,
6.5680

■ 113.2041,
140.4358, 173.5167

■ 0.7324, 1.7130,
3.1191

■ 143.1308,
175.4292, 214.8407

■ 0.0000, 0.4320,
1.1558

177.9153,

■ 0.0000, 0.0000,

215.8003, 262.2543

0.0000

217.9230,
261.9336, 316.1758

■ 23.6499, 32.6818,
43.5898

■ 23.6499, 32.6818,
43.5898

■ 22.7316, 32.1660,
43.5392

■ 24.9058, 33.3732,
43.6577

■ 22.1148, 31.8048,
43.5020

■ 26.5251, 34.2513,
43.7418

■ 21.7603, 31.5790,
43.4771

■ 28.5347, 35.3306,
43.8442

■ 21.6224, 31.4835,
43.4660

■ 30.9580, 36.6232,
43.9660

■ 33.8164, 38.1402,
44.1081

■ 37.1302, 39.8920,
44.2716

■ 40.9181, 41.8883,
44.4573

■ 45.1980, 44.1383,
44.6660

■ 49.9866, 46.6505,
44.8985

Harmonies

Analogous

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



23.4674, 32.6818, 30.7027



23.6499, 32.6818, 43.5898



25.6981, 32.6818, 56.8761

Triad

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



23.6499, 32.6818, 43.5898



37.8065, 32.6818, 54.5608



32.8869, 32.6818, 16.6873

Complementary

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



23.6499, 32.6818, 43.5898



19.3602, 12.4409, 5.7968

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.



37.1271, 32.6818, 20.4061



23.6499, 32.6818, 43.5898



40.1428, 32.6818, 40.9591

Square

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



23.6499, 32.6818, 43.5898



33.7451, 32.6818, 64.1726



39.8830, 32.6818, 28.6254



28.5271, 32.6818, 17.0696

Rectangle

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



23.6499, 32.6818, 43.5898



27.9661, 32.6818, 63.2538



39.8830, 32.6818, 28.6254



34.3807, 32.6818, 17.4542

Sweetspot

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



23.6509, 32.6830, 43.5906



57.8970, 66.8931, 78.8620



17.3305, 30.4556, 9.3809



12.6003, 14.7523, 17.5711



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.



23.6509, 32.6830, 43.5906



40.2030, 57.3139, 77.9457



15.5215, 16.4243, 40.8808



8.2300, 9.0594, 10.2676



16.3021, 23.7380, 32.7672



0.4554, 0.6642, 0.9122

Inverse Universe

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



25.7199, 14.8986, 39.5516



44.2211, 23.0590, 70.0382



23.8832, 21.4868, 7.3044



8.3339, 8.1468, 10.0692



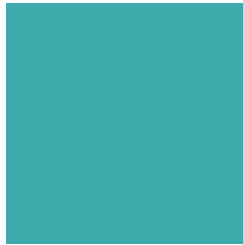
18.0922, 8.6994, 29.1946



0.5043, 0.2424, 0.8173

Previews

White Background



This preview shows how the XYZ color 23.6499, 32.6818, 43.5898 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 23.6499, 32.6818, 43.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

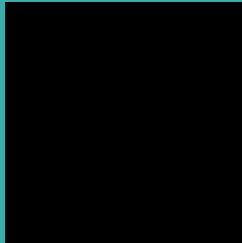
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6499, 32.6818, 43.5898

Background



This preview shows how black text looks on a background with the XYZ color 23.6499, 32.6818, 43.5898.

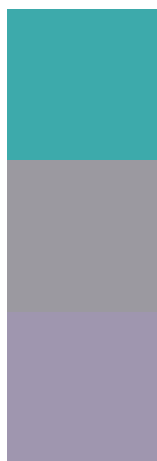


This preview shows how white text looks on a background with the XYZ color 23.6499, 32.6818,

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

23.6499, 32.6818, 43.5898

Protanopia

31.2540, 32.2891, 37.8429

Deuteranopia

32.9423, 32.2788, 45.0516



Tritanopia

24.6929, 32.5409, 49.2355

Trichromacy



Original Color

23.6499, 32.6818, 43.5898

Protanomaly

26.9841, 31.5416, 39.7879

Deuteranomaly

27.8653, 31.3809, 44.6329

Tritanomaly

24.3382, 32.6803, 47.1446

Monochromacy



Original Color

23.6499, 32.6818, 43.5898

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.8418, 27.3297, 32.9254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6499, 32.6818, 43.5898 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, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(61, 170, 171)  
}
```

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, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 170, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.6499, 32.6818, 43.5898 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, 170, 171) }
```


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

```
.border{ border-color:rgb(61, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(61, 170,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6499, 32.6818, 43.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 170, 171) }
```

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

```
.background{ background-color: rgb(61, 170,  
171) }
```

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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