

Converting Colors

XYZ(23.5280, 27.6836, 32.7077)

Have a look what the booklet for
XYZ(23.5280, 27.6836, 32.7077)
contains.

XYZ(23.5336, 27.6956, 32.5392)	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(23.5336, 27.6956,
32.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	749695
RGB	116, 150, 149
RGB Percent	45%, 59%, 58%
CMY	0.5451, 0.4118, 0.4157
CMYK	0.23, 0.00, 0.01, 0.41
HSL	178°, 14%, 52%
HSV	178°, 23%, 59%
XYZ	23.5336, 27.6956, 32.5392
YIQ	139.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

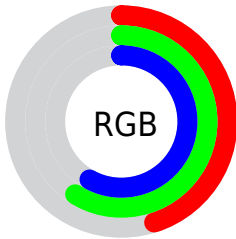
Format	Color
RYB	116, 133, 150
Decimal	7640725
CIELab	59.61, -11.95, -3.35
CIELCh	60, 12.408, 195.653
Yxy	27.6956, 0.2809, 0.3306
Android (android.graphics.Color)	4285830805 (0xFF749695)
YUV	139.7200, 4.5750, -20.8024
Hunter-Lab	52.6266, -12.2748, 0.1794

Details

The XYZ color **23.5336, 27.6956, 32.5392** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0349, 20.2599, 19.5799**, and the grayscale version is **24.8076, 26.0995, 28.4224**.

A 20% lighter version of the original color is **48.7345, 55.9325, 64.7274**, and **8.9812, 10.9988, 13.2049** is the 20% darker color. If you saturate the color by 10%, you get **21.6635, 26.7363, 32.2684**, and if you desaturate by 10%, it is **25.7275, 28.8232, 32.8271**.

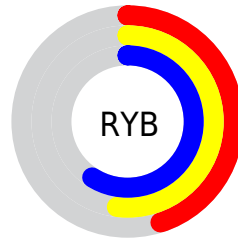
Distribution



Red (45%)

Green (59%)

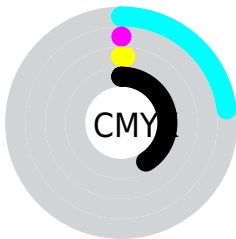
Blue (58%)



Red (45%)

Yellow (52%)

Blue (59%)

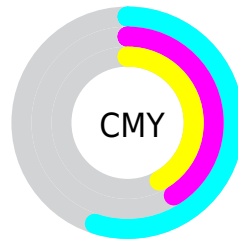


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (41%)



Cyan (55%)

Magenta (41%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5336, 27.6956, 32.5392 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 23.5336, 27.6956, 32.5392 by changing the saturation by 10% instead.

■ 23.5336, 27.6956,
32.5392

■ 23.5336, 27.6956,
32.5392

262.9384,
291.0095, 328.1363

■ 15.1109, 18.0963,
21.5055

■ 48.7283, 55.9981,
64.7631

■ 8.9841, 11.0192,
13.2991

■ 66.2309, 75.4701,
86.7904

■ 4.7878, 6.0797,
7.5017

■ 87.4909, 99.0018,
113.3193

■ 2.1568, 2.8936,
3.6946

112.8736,
126.9776, 144.7682

■ 0.7198, 1.0764,
1.4594

142.7443,
159.7818, 181.5559

■ 0.0000, 0.0000,
0.1874

177.4685,

■ 0.0000, 0.0000,

197.7990, 224.1008

0.0000

217.4114,
241.4134, 272.8214

■ 23.5336, 27.6956,
32.5392

■ 23.5336, 27.6956,
32.5392

■ 21.6635, 26.7363,
32.2684

■ 25.7275, 28.8232,
32.8271

■ 20.0992, 25.9340,
32.0120

■ 28.2571, 30.1232,
33.1307

■ 18.8250, 25.2811,
31.7698

■ 31.1367, 31.6035,
33.4515

■ 17.8225, 24.7683,
31.5411

■ 34.3791, 33.2710,
33.7899

■ 17.0713, 24.3851,
31.3249

■ 37.9966, 35.1317,
34.1466

■ 16.5483, 24.1195,
31.1200

■ 42.0005, 37.1916,
34.5221

■ 16.2259, 23.9572,
30.9252

■ 46.4021, 39.4565,
34.9169

■ 16.0627, 23.8760,
30.7862

■ 51.2119, 41.9319,
35.3315

■ 56.4401, 44.6229,
35.7664

Harmonies

Analogous

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



23.5171, 27.6956, 28.0721



23.5336, 27.6956, 32.5392



24.2777, 27.6956, 36.7420

Triad

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



23.5336, 27.6956, 32.5392



28.5330, 27.6956, 36.5840



27.0759, 27.6956, 22.5593

Complementary

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



23.5336, 27.6956, 32.5392



22.0349, 20.2599, 19.5799

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.



28.4819, 27.6956, 24.4078



23.5336, 27.6956, 32.5392



29.3454, 27.6956, 32.3402

Square

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



23.5336, 27.6956, 32.5392



27.1434, 27.6956, 39.2302



29.3263, 27.6956, 27.8917



25.5209, 27.6956, 22.6012

Rectangle

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



23.5336, 27.6956, 32.5392



25.1037, 27.6956, 38.7005



29.3263, 27.6956, 27.8917



27.5829, 27.6956, 22.9716

Sweetspot

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



23.5344, 27.6967, 32.5398



47.7946, 52.0942, 58.2226



21.4136, 26.8659, 20.5805



10.5419, 11.5190, 12.8969



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.5344, 27.6967, 32.5398



39.8556, 48.0162, 57.1867



21.2518, 23.0030, 32.1754



5.9568, 6.5593, 7.3835



13.3237, 19.8023, 25.5437



0.1649, 0.2431, 0.3225

Inverse Universe

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



22.0349, 20.2599, 19.5799



36.7509, 32.6164, 30.3515



23.9642, 24.2123, 19.9339



5.8073, 5.8180, 6.0914



10.4539, 5.3866, 0.6053



0.1293, 0.0665, 0.0146

Previews

White Background



This preview shows how the XYZ color 23.5336, 27.6956, 32.5392 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5336, 27.6956, 32.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

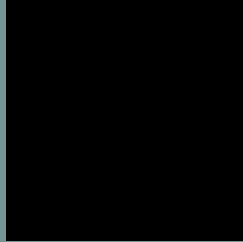
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5336, 27.6956, 32.5392

Background



This preview shows how black text looks on a background with the XYZ color 23.5336, 27.6956, 32.5392.



This preview shows how white text looks on a background with the XYZ color 23.5336, 27.6956,

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

23.5336, 27.6956, 32.5392

Protanopia

26.4609, 27.4101, 30.6841

Deuteranopia

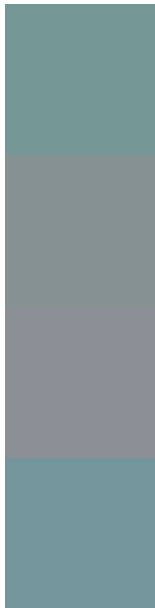
27.9554, 27.4719, 33.1074



Tritanopia

24.4063, 27.5694, 37.2928

Trichromacy



Original Color

23.5336, 27.6956, 32.5392

Protanomaly

25.1452, 27.3945, 31.1565

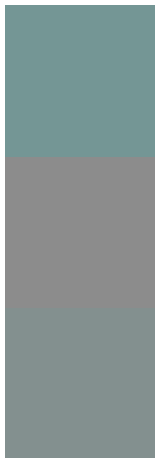
Deuteranomaly

26.1427, 27.4224, 32.7693

Tritanomaly

24.0843, 27.6771, 35.5253

Monochromacy



Original Color

23.5336, 27.6956, 32.5392

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.2913, 26.7550, 29.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5336, 27.6956, 32.5392 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(116, 150, 149)` looks like.

```
.text, #text, p{  
    color:rgb(116, 150, 149)  
}
```

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(116, 150, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 150, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.5336, 27.6956, 32.5392 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(116, 150, 149) }
```


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

```
.border{ border-color:rgb(116, 150, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 150, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 150, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 150, 149);  
box-shadow:4px 4px 4px 4px rgb(116, 150,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5336, 27.6956, 32.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 150, 149) }
```

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

```
.background{ background-color: rgb(116,  
150, 149) }
```

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