

Converting Colors

XYZ(23.5015, 33.0790, 44.0343)

Have a look what the booklet for
XYZ(23.5015, 33.0790, 44.0343)
contains.

XYZ(23.5642, 33.1874, 44.1936)	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(23.5642, 33.1874,
44.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	33ACAC
RGB	51, 172, 172
RGB Percent	20%, 67%, 67%
CMY	0.8000, 0.3255, 0.3255
CMYK	0.70, 0.00, 0.00, 0.33
HSL	180°, 54%, 44%
HSV	180°, 70%, 67%
XYZ	23.5642, 33.1874, 44.1936
YIQ	135.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

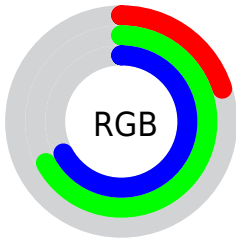
Format	Color
RYB	51, 112, 172
Decimal	3386540
CIELab	64.31, -32.07, -9.61
CIElCh	64, 33.478, 196.682
Yxy	33.1874, 0.2334, 0.3288
Android (android.graphics.Color)	4281576620 (0xFF33ACAC)
YUV	135.8210, 17.8362, -74.3880
Hunter-Lab	57.6085, -27.8012, -5.1576

Details

The XYZ color **23.5642, 33.1874, 44.1936** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.7958, 11.3785, 4.3387**, and the grayscale version is **23.2909, 24.5038, 26.6847**.

A 20% lighter version of the original color is **48.8110, 64.7459, 82.5976**, and **9.9870, 14.5497, 20.0513** is the 20% darker color. If you saturate the color by 10%, you get **22.8529, 32.8214, 44.1610**, and if you desaturate by 10%, it is **24.5980, 33.7211, 44.2428**.

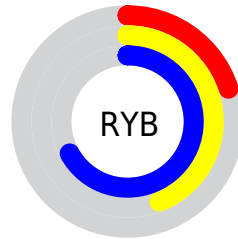
Distribution



Red (20%)

Green (67%)

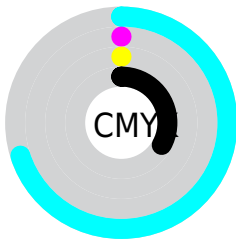
Blue (67%)



Red (20%)

Yellow (44%)

Blue (67%)

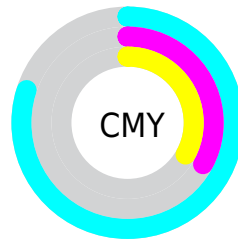


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (80%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5642, 33.1874, 44.1936 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 23.5642, 33.1874, 44.1936 by changing the saturation by 10% instead.

■ 23.5642, 33.1874,
44.1936

■ 23.5642, 33.1874,
44.1936

263.0913,
316.4933, 379.5622

■ 15.1336, 22.2700,
30.4844

■ 48.7780, 64.6680,
82.8146

■ 9.0002, 14.0555,
19.9514

■ 66.2919, 86.0000,
108.5634

■ 4.7984, 8.1592,
12.1760

■ 87.5643, 111.5724,
139.1626

■ 2.1630, 4.1970,
6.7397

■ 112.9606,
141.7695, 175.0307

■ 0.7231, 1.7844,
3.2239

■ 142.8461,
176.9758, 216.5861

■ 0.0000, 0.4774,
1.2100

177.5861,

■ 0.0000, 0.0000,

217.5756, 264.2475

0.0000

217.5461,
263.9533, 318.4333

■ 23.5642, 33.1874,
44.1936

■ 23.5642, 33.1874,
44.1936

■ 22.8529, 32.8214,
44.1610

■ 24.5980, 33.7211,
44.2428

■ 22.4237, 32.6002,
44.1408

■ 25.9831, 34.4351,
44.3077

■ 22.1995, 32.4846,
44.1302

■ 27.7484, 35.3452,
44.3904

■ 29.9190, 36.4641,
44.4921

■ 32.5178, 37.8039,
44.6138

■ 35.5661, 39.3753,
44.7566

■ 39.0838, 41.1888,
44.9213

■ 43.0895, 43.2538,
45.1088

■ 47.6008, 45.5795,
45.3201

Harmonies

Analogous

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



23.4499, 33.1874, 30.4281



23.5642, 33.1874, 44.1936



25.6725, 33.1874, 58.7556

Triad

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



23.5642, 33.1874, 44.1936



38.6815, 33.1874, 57.2637



33.6990, 33.1874, 16.1606

Complementary

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



23.5642, 33.1874, 44.1936



18.7958, 11.3785, 4.3387

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.



38.2478, 33.1874, 20.2240



23.5642, 33.1874, 44.1936



41.3135, 33.1874, 42.5153

Square

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



23.5642, 33.1874, 44.1936



34.2444, 33.1874, 67.5054



41.1473, 33.1874, 29.1217



28.9888, 33.1874, 16.3946

Rectangle

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



23.5642, 33.1874, 44.1936



28.0580, 33.1874, 65.9438



41.1473, 33.1874, 29.1217



35.3065, 33.1874, 17.0149

Sweetspot

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



23.5652, 33.1887, 44.1944



58.4665, 68.3097, 80.9090



16.8203, 30.5027, 8.1341



12.4216, 14.6986, 17.5700



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.



23.5652, 33.1887, 44.1944



40.9961, 59.3034, 80.0903



14.7759, 15.6098, 41.2652



8.2364, 9.0721, 10.2697



16.5195, 24.1731, 32.8390



0.4596, 0.6725, 0.9136

Inverse Universe

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



18.7958, 11.3785, 4.3387



31.8096, 17.2940, 3.3231



23.1325, 20.0520, 5.7842



8.0053, 8.0154, 8.3386



12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 23.5642, 33.1874, 44.1936 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 23.5642, 33.1874, 44.1936 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

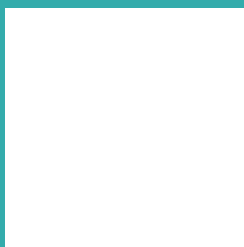
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5642, 33.1874, 44.1936

Background



This preview shows how black text looks on a background with the XYZ color 23.5642, 33.1874, 44.1936.

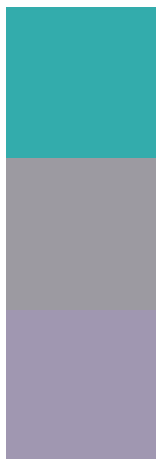


This preview shows how white text looks on a background with the XYZ color 23.5642, 33.1874,

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

23.5642, 33.1874, 44.1936

Protanopia

31.6989, 32.7523, 38.3693

Deuteranopia

33.4996, 32.7811, 46.1567



Tritanopia

24.7714, 33.1097, 50.4326

Trichromacy



Original Color

23.5642, 33.1874, 44.1936

Protanomaly

27.0076, 32.0579, 40.3617

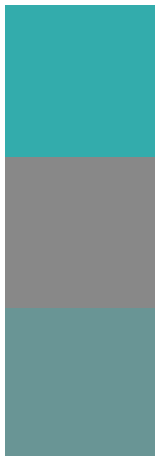
Deuteranomaly

27.8817, 31.8845, 45.2422

Tritanomaly

24.3767, 33.2333, 48.3099

Monochromacy



Original Color

23.5642, 33.1874, 44.1936

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9980, 26.6681, 32.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5642, 33.1874, 44.1936 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(51, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(51, 172, 172)  
}
```

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(51, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.5642, 33.1874, 44.1936 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(51, 172, 172) }
```


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

```
.border{ border-color:rgb(51, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(51, 172,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5642, 33.1874, 44.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 172, 172) }
```

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

```
.background{ background-color: rgb(51, 172,  
172) }
```

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