

Converting Colors

XYZ(17.9824, 32.9510, 42.6122)

Have a look what the booklet for
XYZ(17.9824, 32.9510, 42.6122)
contains.

XYZ(23.5918, 35.8749, 42.7269)	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(23.5918, 35.8749,
42.7269)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5A8
RGB	0, 181, 168
RGB Percent	0%, 71%, 66%
CMY	0.9999, 0.2902, 0.3412
CMYK	1.00, 0.00, 0.07, 0.29
HSL	176°, 100%, 35%
HSV	176°, 100%, 71%
XYZ	23.5918, 35.8749, 42.7269
YIQ	125.3990, -103.7030, -42.4150

Conversions

Conversions Part 2

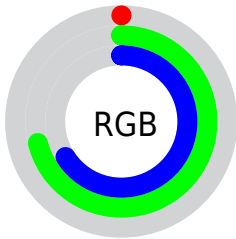
Format	Color
RYB	0, 94, 181
Decimal	46504
CIELab	66.42, -41.05, -4.31
CIELCh	66, 41.275, 185.997
Yxy	35.8749, 0.2309, 0.3510
Android (android.graphics.Color)	4278236584 (0xFF00B5A8)
YUV	125.3990, 21.0023, -109.9749
Hunter-Lab	59.8957, -34.5095, -0.3679

Details

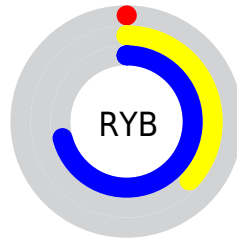
The XYZ color **23.5918, 35.8749, 42.7269** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.1299, 9.8540, 1.2757**, and the grayscale version is **19.5878, 20.6079, 22.4420**.

A 20% lighter version of the original color is **48.9308, 69.0735, 80.5656**, and **10.7418, 16.4397, 19.1300** is the 20% darker color. If you saturate the color by 10%, you get **23.5922, 35.8759, 42.7265**, and if you desaturate by 10%, it is **23.9662, 36.0546, 43.3809**.

Distribution



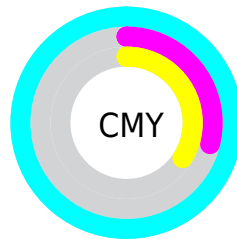
- Red (0%)
- Green (71%)
- Blue (66%)



- Red (0%)
- Yellow (37%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5918, 35.8749, 42.7269 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 23.5918, 35.8749, 42.7269 by changing the saturation by 10% instead.


 23.5918, 35.8749,
42.7269


 23.5918, 35.8749,
42.7269


263.2292,
328.4134, 373.3756


 15.1542, 24.3376,
29.3411


 48.8228, 68.8389,
80.5805

 9.0147, 15.5842,
19.0912


 66.3469, 91.0345,
105.8854


 4.8080, 9.2304,
11.5587


 87.6305, 117.5515,
136.0004

 2.1686, 4.8918,
6.3251

 113.0390,
148.7745, 171.3440

 0.7261, 2.1839,
2.9718

 142.9378,
185.0877, 212.3348

 0.0000, 0.7112,
1.0802

 177.6922,

 0.0000, 0.0000,

226.8757, 259.3913

0.0000

217.6675,
274.5228, 312.9320

■ 23.5918, 35.8749,
42.7269

■ 23.5918, 35.8749,
42.7269

■ 23.5922, 35.8759,
42.7265

■ 23.9662, 36.0546,
43.3809

■ 24.5730, 36.3533,
44.0513

■ 25.5008, 36.8172,
44.7430

■ 26.7920, 37.4683,
45.4582

■ 28.4824, 38.3251,
46.1984

■ 30.6035, 39.4038,
46.9652

■ 33.1838, 40.7191,
47.7599

■ 36.2493, 42.2844,
48.5838

■ 39.8240, 44.1120,
49.4380

Harmonies

Analogous

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



24.3529, 35.8749, 26.7880



23.5918, 35.8749, 42.7269



25.3585, 35.8749, 62.6754

Triad

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



23.5918, 35.8749, 42.7269



41.5708, 35.8749, 73.5754



39.1643, 35.8749, 15.4892

Complementary

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



23.5918, 35.8749, 42.7269



19.1299, 9.8540, 1.2757

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.



44.6450, 35.8749, 22.2778



23.5918, 35.8749, 42.7269



46.1476, 35.8749, 54.6067

Square

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



23.5918, 35.8749, 42.7269



35.3549, 35.8749, 83.6301



47.3355, 35.8749, 35.6123



32.8713, 35.8749, 14.0484

Rectangle

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



23.5918, 35.8749, 42.7269



27.8744, 35.8749, 74.6169



47.3355, 35.8749, 35.6123



41.1852, 35.8749, 17.0943

Sweetspot

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



23.5929, 35.8763, 42.7278



59.1681, 72.7914, 85.4590



16.7235, 33.1514, 5.5185



12.3560, 15.5123, 18.3421



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5929, 35.8763, 42.7278



42.2155, 64.2365, 76.3291



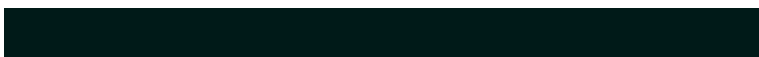
13.4540, 13.5622, 45.6262



8.7158, 9.6208, 10.7629



16.2743, 24.7357, 29.5110



0.5199, 0.7814, 0.9696

Inverse Universe

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



19.1299, 9.8540, 1.2757



34.2291, 17.6342, 2.1240



21.6028, 14.9159, 1.7415



8.5203, 8.5148, 8.9724



13.1972, 6.7964, 0.9326



0.4234, 0.2171, 0.0722

Previews

White Background



This preview shows how the XYZ color 23.5918, 35.8749, 42.7269 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 23.5918, 35.8749, 42.7269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

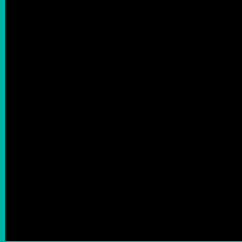
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

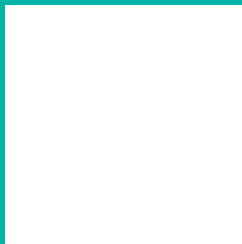
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5918, 35.8749, 42.7269

Background



This preview shows how black text looks on a background with the XYZ color 23.5918, 35.8749, 42.7269.

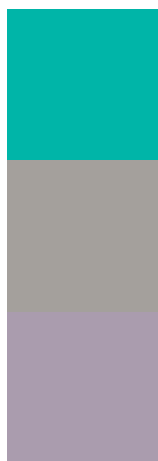


This preview shows how white text looks on a background with the XYZ color 23.5918, 35.8749,

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

23.5918, 35.8749, 42.7269

Protanopia

33.8814, 35.4344, 36.5063

Deuteranopia

36.1060, 35.3790, 44.9702



Tritanopia

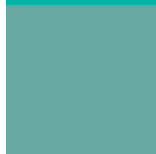
26.2328, 35.7636, 55.3896

Trichromacy



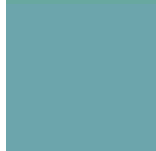
Original Color

23.5918, 35.8749, 42.7269



Protanomaly

26.0567, 33.4864, 38.3479



Deuteranomaly

27.0859, 33.0770, 43.9866



Tritanomaly

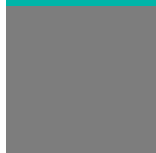
24.9196, 35.4927, 50.3371

Monochromacy



Original Color

23.5918, 35.8749, 42.7269



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.2414, 23.8794, 28.8471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5918, 35.8749, 42.7269 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(0, 181, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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(0, 181, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.5918, 35.8749, 42.7269 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(0, 181, 168) }
```


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

```
.border{ border-color:rgb(0, 181, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5918, 35.8749, 42.7269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 168) }
```

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

```
.background{ background-color: rgb(0, 181,  
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](#).

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