

Converting Colors

XYZ(23.3536, 35.3055, 38.4416)

Have a look what the booklet for
XYZ(23.3536, 35.3055, 38.4416)
contains.

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Color

**XYZ(23.2926, 35.2148,
38.3704)**

Conversions

Conversions Part 1

Format	Color
Hex	29B39F
RGB	41, 179, 159
RGB Percent	16%, 70%, 62%
CMY	0.8392, 0.2980, 0.3765
CMYK	0.77, 0.00, 0.11, 0.30
HSL	171°, 63%, 43%
HSV	171°, 77%, 70%
XYZ	23.2926, 35.2148, 38.3704
YIQ	135.4580, -75.8280, -35.4760

Conversions

Conversions Part 2

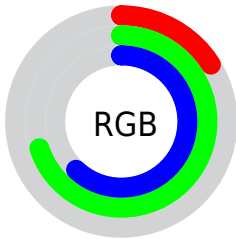
Format	Color
RYB	41, 115, 179
Decimal	2732959
CIELab	65.92, -40.19, -0.03
CIElCh	66, 40.191, 180.048
Yxy	35.2148, 0.2404, 0.3635
Android (android.graphics.Color)	4280923039 (0xFF29B39F)
YUV	135.4580, 11.6062, -82.8397
Hunter-Lab	59.3421, -33.7848, 3.2027

Details

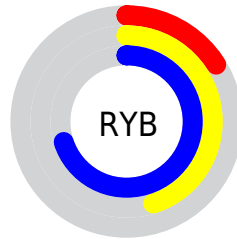
The XYZ color **23.2926, 35.2148, 38.3704** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.2269, 11.5076, 5.5715**, and the grayscale version is **23.1792, 24.3863, 26.5567**.

A 20% lighter version of the original color is **48.2763, 67.5867, 74.1194**, and **10.0404, 15.7499, 16.6982** is the 20% darker color. If you saturate the color by 10%, you get **22.5118, 34.8388, 37.1715**, and if you desaturate by 10%, it is **24.4047, 35.7626, 39.6110**.

Distribution



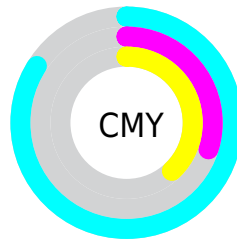
- Red (16%)
- Green (70%)
- Blue (62%)



- Red (16%)
- Yellow (45%)
- Blue (70%)



- Cyan (77%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)





- Cyan (84%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2926, 35.2148, 38.3704 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 23.2926, 35.2148, 38.3704 by changing the saturation by 10% instead.


 23.2926, 35.2148,
38.3704


 23.2926, 35.2148,
38.3704


261.7317,
325.5154, 354.5519


 14.9316, 23.8284,
25.9662


 48.3365, 67.8184,
73.8852


 8.8574, 15.2064,
16.5728

 65.7500, 89.8044,
97.8330


 4.7046, 8.9643,
9.7717


 86.9118, 116.0923,
126.4656

 2.1080, 4.7179,
5.1442

 112.1872,
147.0666, 160.2018

 0.6936, 2.0827,
2.2719

 141.9415,
183.1117, 199.4599

 0.0000, 0.6549,
0.7154

176.5401,

 0.0000, 0.0000,

224.6119, 244.6587

0.0000

216.3484,
271.9517, 296.2165

■ 23.2926, 35.2148,
38.3704

■ 23.2926, 35.2148,
38.3704

■ 22.5118, 34.8388,
37.1715

■ 24.4047, 35.7626,
39.6110

■ 22.0030, 34.6017,
36.0091

■ 25.8840, 36.4984,
40.8929

■ 21.8751, 34.5431,
35.6764

■ 27.7651, 37.4408,
42.2185

■ 30.0779, 38.6051,
43.5895

■ 32.8491, 40.0052,
45.0071

■ 36.1035, 41.6538,
46.4728

■ 39.8640, 43.5628,
47.9877

■ 44.1522, 45.7432,
49.5530

■ 48.9881, 48.2055,
51.1697

Harmonies

Analogous

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



24.5120, 35.2148, 24.2119



23.2926, 35.2148, 38.3704



24.5198, 35.2148, 57.1800

Triad

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



23.2926, 35.2148, 38.3704



39.5261, 35.2148, 74.2300



39.5076, 35.2148, 16.3993

Complementary

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



23.2926, 35.2148, 38.3704



20.2269, 11.5076, 5.5715

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.



44.3710, 35.2148, 24.1769



23.2926, 35.2148, 38.3704



44.3826, 35.2148, 57.1180

Square

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



23.2926, 35.2148, 38.3704



33.4802, 35.2148, 81.2752



46.2506, 35.2148, 38.3155



33.4610, 35.2148, 14.0407

Rectangle

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



23.2926, 35.2148, 38.3704



26.6545, 35.2148, 69.3081



46.2506, 35.2148, 38.3155



41.3597, 35.2148, 18.3257

Sweetspot

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



23.2936, 35.2162, 38.3712



60.8841, 72.6857, 81.5654



18.4894, 33.4162, 7.5742



13.0482, 15.8804, 17.8647



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.



23.2936, 35.2162, 38.3712



39.6041, 62.0599, 65.0081



17.1285, 19.8799, 45.5837



8.6886, 9.6100, 10.6200



15.4760, 24.4164, 25.3072



0.5014, 0.7740, 0.8722

Inverse Universe

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



20.2269, 11.5076, 5.5715



34.0076, 17.7515, 4.3790



22.5894, 16.9402, 4.1779



8.5449, 8.5247, 9.1018



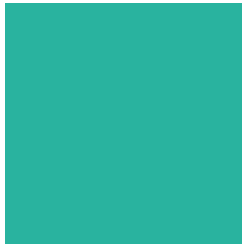
13.2834, 6.8309, 1.3864



0.4336, 0.2212, 0.1260

Previews

White Background



This preview shows how the XYZ color 23.2926, 35.2148, 38.3704 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 23.2926, 35.2148, 38.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

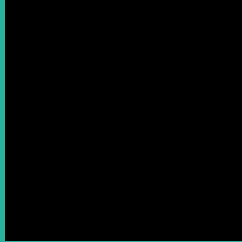
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2926, 35.2148, 38.3704

Background



This preview shows how black text looks on a background with the XYZ color 23.2926, 35.2148, 38.3704.

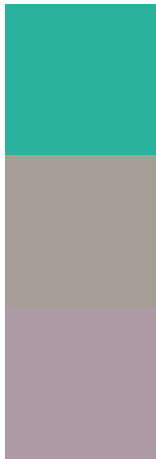


This preview shows how white text looks on a background with the XYZ color 23.2926, 35.2148,

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

23.2926, 35.2148, 38.3704

Protanopia

32.8820, 34.4844, 32.9401

Deuteranopia

35.2697, 34.5622, 39.9342



Tritanopia

26.3788, 35.2947, 53.5664

Trichromacy



Original Color

23.2926, 35.2148, 38.3704



Protanomaly

26.9115, 33.4614, 34.7461



Deuteranomaly

27.9310, 33.0881, 39.0969



Tritanomaly

25.0294, 35.0219, 47.5602

Monochromacy



Original Color

23.2926, 35.2148, 38.3704



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.4675, 26.9135, 30.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2926, 35.2148, 38.3704 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(41, 179, 159)` looks like.

```
.text, #text, p{  
    color:rgb(41, 179, 159)  
}
```

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(41, 179, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 179, 159) }
```

Border

The CSS property to change the border of an element to XYZ 23.2926, 35.2148, 38.3704 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(41, 179, 159) }
```


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

```
.border{ border-color:rgb(41, 179, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 179, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 179, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 179, 159);  
box-shadow:4px 4px 4px 4px rgb(41, 179,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2926, 35.2148, 38.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 179, 159) }
```

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

```
.background{ background-color: rgb(41, 179,  
159) }
```

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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