

Converting Colors

XYZ(23.9525, 39.4496, 31.5999)

Have a look what the booklet for
XYZ(23.9525, 39.4496, 31.5999)
contains.

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Color

**XYZ(23.9452, 39.4459,
31.5511)**

Conversions

Conversions Part 1

Format	Color
Hex	1DBF8D
RGB	29, 191, 141
RGB Percent	11%, 75%, 55%
CMY	0.8862, 0.2510, 0.4471
CMYK	0.85, 0.00, 0.26, 0.25
HSL	161°, 74%, 43%
HSV	161°, 85%, 75%
XYZ	23.9452, 39.4459, 31.5511
YIQ	136.8620, -80.5020, -49.8940

Conversions

Conversions Part 2

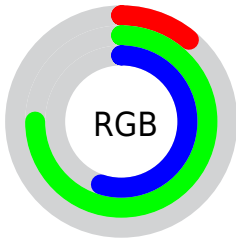
Format	Color
RYB	29, 125, 191
Decimal	1949581
CIELab	69.07, -50.91, 14.33
CIELCh	69, 52.884, 164.277
Yxy	39.4459, 0.2522, 0.4155
Android (android.graphics.Color)	4280139661 (0xFF1DBF8D)
YUV	136.8620, 2.0400, -94.5950
Hunter-Lab	62.8060, -41.8561, 14.1794

Details

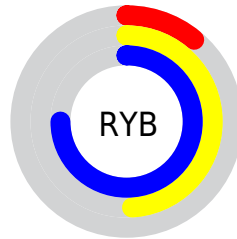
The XYZ color **23.9452, 39.4459, 31.5511** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **23.3378, 12.5205, 8.5856**, and the grayscale version is **23.7415, 24.9779, 27.2009**.

A 20% lighter version of the original color is **49.3616, 74.1391, 63.3384**, and **10.6925, 18.3636, 12.8785** is the 20% darker color. If you saturate the color by 10%, you get **23.1362, 39.0792, 29.2846**, and if you desaturate by 10%, it is **25.1139, 39.9974, 33.9581**.

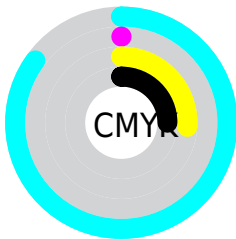
Distribution



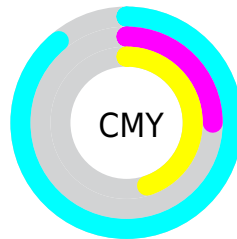
- Red (11%)
- Green (75%)
- Blue (55%)



- Red (11%)
- Yellow (49%)
- Blue (75%)



- Cyan (85%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)





- Cyan (89%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9452, 39.4459, 31.5511 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 23.9452, 39.4459, 31.5511 by changing the saturation by 10% instead.


 23.9452, 39.4459,
31.5511


 23.9452, 39.4459,
31.5511


264.9889,
343.7826, 323.4987


 15.4175, 27.1068,
20.7569


 49.3961, 74.3190,
63.1964


 9.2011, 17.6534,
12.7569


 67.0500, 97.6218,
84.8846


 4.9308, 10.7015,
7.1326

 88.4766, 125.3479,
111.0411

 2.2410, 5.8665,
3.4655

 114.0414,
157.8818, 142.0846

 0.7642, 2.7641,
1.3369

 144.1097,
195.6078, 178.4336

 0.0000, 1.0098,
0.0918

179.0468,

 0.0000, 0.0000,

238.9103, 220.5066

0.0000

219.2181,
288.1738, 268.7221

■ 23.9452, 39.4459,
31.5511

■ 23.9452, 39.4459,
31.5511

■ 23.1362, 39.0792,
29.2846

■ 25.1139, 39.9974,
33.9581

■ 22.7996, 38.9302,
28.1597

■ 26.6932, 40.7567,
36.5073

■ 28.7287, 41.7485,
39.2033

■ 31.2591, 42.9926,
42.0499

■ 34.3187, 44.5066,
45.0502

■ 37.9387, 46.3067,
48.2075

■ 42.1479, 48.4075,
51.5247

■ 46.9732, 50.8230,
55.0048

■ 52.4394, 53.5659,
58.6504

Harmonies

Analogous

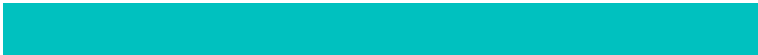
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.2695, 39.4459, 17.5360



23.9452, 39.4459, 31.5511



23.8668, 39.4459, 55.4557

Triad

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



23.9452, 39.4459, 31.5511



41.6365, 39.4459, 105.5342



50.3464, 39.4459, 17.9959

Complementary

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



23.9452, 39.4459, 31.5511



23.3378, 12.5205, 8.5856

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.



55.5117, 39.4459, 32.4815



23.9452, 39.4459, 31.5511



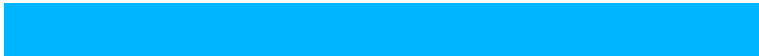
49.9951, 39.4459, 85.5358

Square

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



23.9452, 39.4459, 31.5511



33.2661, 39.4459, 104.9830



55.3743, 39.4459, 56.8085



42.0618, 39.4459, 11.9561

Rectangle

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



23.9452, 39.4459, 31.5511



25.6222, 39.4459, 74.7866



55.3743, 39.4459, 56.8085



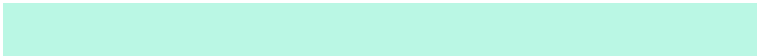
52.5568, 39.4459, 21.7390

Sweetspot

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



23.9463, 39.4475, 31.5520



67.5395, 82.7300, 85.9993



22.1876, 39.0706, 7.5349



14.3034, 17.9041, 18.4371



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.9463, 39.4475, 31.5520



40.7189, 69.6762, 49.8323



22.7093, 29.6192, 53.8122



9.6798, 10.7580, 11.5632



15.0205, 25.5985, 18.7024



0.6164, 1.0139, 0.8802

Inverse Universe

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



23.3378, 12.5205, 8.5856



39.7979, 20.3645, 8.7341



23.2575, 14.2634, 2.6902



9.6482, 9.5836, 10.5363



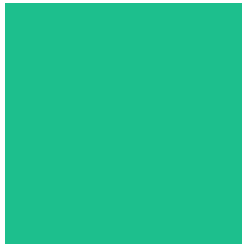
14.6704, 7.4993, 3.5578



0.6048, 0.3058, 0.2984

Previews

White Background



This preview shows how the XYZ color 23.9452, 39.4459, 31.5511 looks on a white background.

Color Contrast Check

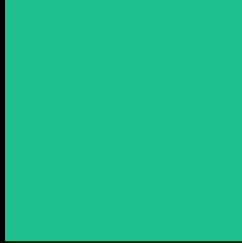
Large Text (above 18pt) WCAG AA × Fail

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 23.9452, 39.4459, 31.5511 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

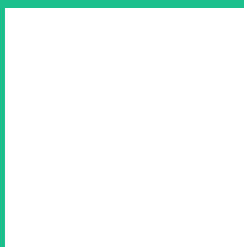
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9452, 39.4459, 31.5511

Background



This preview shows how black text looks on a background with the XYZ color 23.9452, 39.4459, 31.5511.



This preview shows how white text looks on a background with the XYZ color 23.9452, 39.4459,

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

23.9452, 39.4459, 31.5511

Protanopia

36.2081, 38.7141, 26.6833

Deuteranopia

39.3254, 38.5750, 33.3900



Tritanopia

29.6483, 39.5515, 59.4977

Trichromacy



Original Color

23.9452, 39.4459, 31.5511



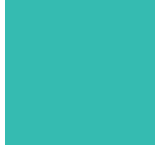
Protanomaly

28.1406, 37.0570, 28.2238



Deuteranomaly

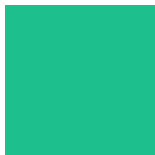
29.2234, 36.3747, 32.2688



Tritanomaly

27.1743, 39.4719, 47.7816

Monochromacy



Original Color

23.9452, 39.4459, 31.5511



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.6814, 28.5456, 28.4119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9452, 39.4459, 31.5511 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(29, 191, 141)` looks like.

```
.text, #text, p{  
    color:rgb(29, 191, 141)  
}
```

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(29, 191, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 191, 141) }
```

Border

The CSS property to change the border of an element to XYZ 23.9452, 39.4459, 31.5511 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(29, 191, 141) }
```


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

```
.border{ border-color:rgb(29, 191, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 191, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 191, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 191, 141);  
box-shadow:4px 4px 4px 4px rgb(29, 191,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9452, 39.4459, 31.5511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 191, 141) }
```

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

```
.background{ background-color: rgb(29, 191,  
141) }
```

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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