

Converting Colors

XYZ(32.3233, 49.5233, 39.9246)

Have a look what the booklet for
XYZ(32.3233, 49.5233, 39.9246)
contains.

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Color

**XYZ(32.2090, 49.3851,
39.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	53D09D
RGB	83, 208, 157
RGB Percent	33%, 82%, 62%
CMY	0.6745, 0.1843, 0.3843
CMYK	0.60, 0.00, 0.25, 0.18
HSL	156°, 57%, 57%
HSV	156°, 60%, 82%
XYZ	32.2090, 49.3851, 39.7330
YIQ	164.8110, -58.1290, -42.3610

Conversions

Conversions Part 2

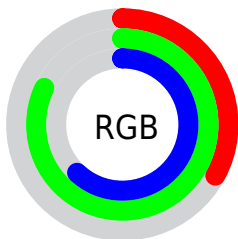
Format	Color
RYB	83, 162, 208
Decimal	5492893
CIELab	75.69, -46.63, 15.17
CIELCh	76, 49.030, 161.981
Yxy	49.3851, 0.2655, 0.4070
Android (android.graphics.Color)	4283682973 (0xFF53D09D)
YUV	164.8110, -3.8508, -71.7482
Hunter-Lab	70.2745, -41.1683, 15.6698

Details

The XYZ color **32.2090, 49.3851, 39.7330** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **33.4104, 21.3189, 24.9103**, and the grayscale version is **35.7127, 37.5725, 40.9164**.

A 20% lighter version of the original color is **58.9714, 82.1131, 75.0287**, and **13.9928, 23.8231, 17.4965** is the 20% darker color. If you saturate the color by 10%, you get **29.9423, 48.2987, 35.9757**, and if you desaturate by 10%, it is **35.0791, 50.7793, 43.7835**.

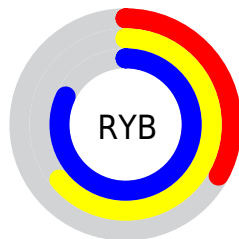
Distribution



Red (33%)

Green (82%)

Blue (62%)



Red (33%)

Yellow (64%)

Blue (82%)

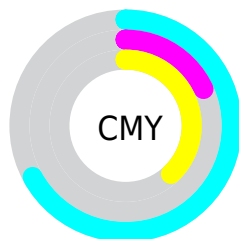


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (18%)



Cyan (67%)


Magenta (18%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2090, 49.3851, 39.7330 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 32.2090, 49.3851, 39.7330 by changing the saturation by 10% instead.


 32.2090, 49.3851,
39.7330


 32.2090, 49.3851,
39.7330


303.7986,
384.2564, 360.5155

 21.6775, 34.9251,
27.0182


 62.5016, 89.2631,
75.9894


 13.7354, 23.6052,
17.3544


 82.9934, 115.4499,
100.3681

 8.0173, 15.0410,
10.3228


 107.5360,
146.3144, 129.4719

 4.1579, 8.8482,
5.5051

 136.4947,
182.2411, 163.7192

 1.7919, 4.6423,
2.4827

170.2350,
223.6142, 203.5287

 0.5128, 2.0389,
0.8310

209.1222,

 0.0000, 0.6299,

270.8182, 249.3189

0.0000

253.5216,
324.2374, 301.5083

■ 0.0000, 0.0000,
0.0000

■ 32.2090, 49.3851,
39.7330

■ 32.2090, 49.3851,
39.7330

■ 29.9423, 48.2987,
35.9757

■ 35.0791, 50.7793,
43.7835

■ 28.2231, 47.4875,
32.5004

■ 38.5942, 52.4988,
48.1311

■ 26.9912, 46.9221,
29.2999

■ 42.7967, 54.5667,
52.7837

■ 26.1404, 46.5470,
26.3900

■ 47.7241, 57.0021,
57.7481

■ 53.4112, 59.8228,
63.0306

■ 59.8903, 63.0456,
68.6373

■ 67.1921, 66.6859,
74.5741

■ 75.3453, 70.7587,
80.8469

■ 78.5596, 72.2787,
87.1890

Harmonies

Analogous

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



36.1966, 49.3851, 24.4958



32.2090, 49.3851, 39.7330



31.8399, 49.3851, 64.8412

Triad

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



32.2090, 49.3851, 39.7330



50.6598, 49.3851, 119.0641



61.1598, 49.3851, 26.7688

Complementary

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



32.2090, 49.3851, 39.7330



33.4104, 21.3189, 24.9103

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.



66.1859, 49.3851, 44.0401



32.2090, 49.3851, 39.7330



59.6208, 49.3851, 100.1975

Square

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



32.2090, 49.3851, 39.7330



41.7399, 49.3851, 116.7622



65.5889, 49.3851, 70.7805



52.5529, 49.3851, 18.8469

Rectangle

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



32.2090, 49.3851, 39.7330



33.6255, 49.3851, 84.8622



65.5889, 49.3851, 70.7805



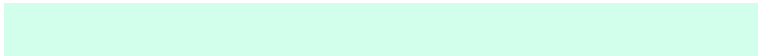
63.3712, 49.3851, 31.3876

Sweetspot

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



32.2103, 49.3871, 39.7341



77.2627, 91.1619, 93.0882



34.1239, 50.8962, 16.2098



16.0046, 19.2485, 19.4116



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.2103, 49.3871, 39.7341



46.6352, 76.1737, 55.4724



35.0530, 46.5930, 66.8227



11.9457, 13.3220, 14.0706



16.3405, 29.0291, 16.7052



0.9525, 1.6387, 1.1386

Inverse Universe

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



33.4104, 21.3189, 24.9103



48.7313, 27.9026, 30.1386



31.5263, 21.9377, 10.7571



12.0058, 11.8871, 13.3064



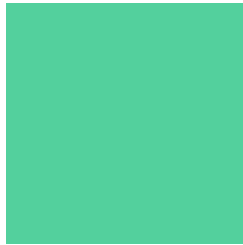
17.2763, 8.7834, 6.3613



1.0049, 0.5067, 0.5608

Previews

White Background



This preview shows how the XYZ color 32.2090, 49.3851, 39.7330 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 32.2090, 49.3851, 39.7330 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

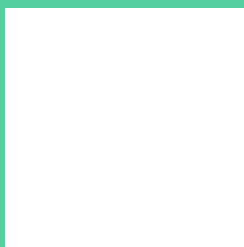
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2090, 49.3851, 39.7330

Background



This preview shows how black text looks on a background with the XYZ color 32.2090, 49.3851, 39.7330.



This preview shows how white text looks on a background with the XYZ color 32.2090, 49.3851,

39.7330.

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

32.2090, 49.3851, 39.7330

Protanopia

45.5632, 48.6436, 34.1818

Deuteranopia

49.3952, 48.3340, 41.3763



Tritanopia

38.6425, 49.1500, 72.4160

Trichromacy



Original Color

32.2090, 49.3851, 39.7330



Protanomaly

38.2853, 47.4099, 35.9873



Deuteranomaly

39.9405, 46.8609, 40.6582



Tritanomaly

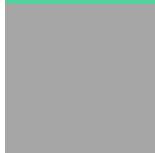
36.0301, 49.1388, 59.2155

Monochromacy



Original Color

32.2090, 49.3851, 39.7330



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.0371, 40.8073, 40.3178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2090, 49.3851, 39.7330 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(83, 208, 157)` looks like.

```
.text, #text, p{  
    color:rgb(83, 208, 157)  
}
```

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(83, 208, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 208, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.2090, 49.3851, 39.7330 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(83, 208, 157) }
```


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

```
.border{ border-color:rgb(83, 208, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 208, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 208, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 208, 157);  
box-shadow:4px 4px 4px 4px rgb(83, 208,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2090, 49.3851, 39.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 208, 157) }
```

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

```
.background{ background-color: rgb(83, 208,  
157) }
```

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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