

Converting Colors

XYZ(33.5638, 49.8060, 39.6862)

Have a look what the booklet for
XYZ(33.5638, 49.8060, 39.6862)
contains.

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Color

**XYZ(33.5442, 49.7126,
39.7258)**

Conversions

Conversions Part 1

Format	Color
Hex	63CF9D
RGB	99, 207, 157
RGB Percent	39%, 81%, 62%
CMY	0.6118, 0.1882, 0.3843
CMYK	0.52, 0.00, 0.24, 0.19
HSL	152°, 53%, 60%
HSV	152°, 52%, 81%
XYZ	33.5442, 49.7126, 39.7258
YIQ	169.0080, -48.3180, -38.4460

Conversions

Conversions Part 2

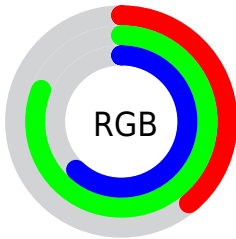
Format	Color
RYB	99, 169, 207
Decimal	6541213
CIELab	75.89, -42.75, 15.52
CIELCh	76, 45.477, 160.041
Yxy	49.7126, 0.2728, 0.4042
Android (android.graphics.Color)	4284731293 (0xFF63CF9D)
YUV	169.0080, -5.9199, -61.3970
Hunter-Lab	70.5072, -38.4651, 15.9493

Details

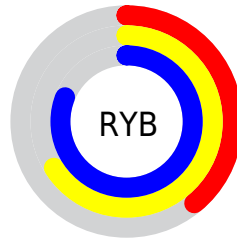
The XYZ color **33.5442, 49.7126, 39.7258** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6204, 24.3601, 31.2602**, and the grayscale version is **37.7626, 39.7292, 43.2651**.

A 20% lighter version of the original color is **61.3540, 83.3414, 75.1402**, and **14.5573, 23.8721, 17.4762** is the 20% darker color. If you saturate the color by 10%, you get **30.7797, 48.3797, 35.4920**, and if you desaturate by 10%, it is **36.9551, 51.3740, 44.3271**.

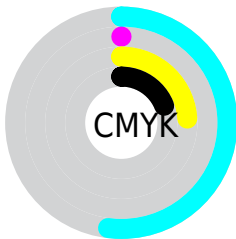
Distribution



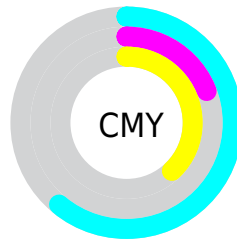
- Red (39%)
- Green (81%)
- Blue (62%)



- Red (39%)
- Yellow (66%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)





- Cyan (61%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5442, 49.7126, 39.7258 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 33.5442, 49.7126, 39.7258 by changing the saturation by 10% instead.


 33.5442, 49.7126,
39.7258


 33.5442, 49.7126,
39.7258


309.7167,
385.5410, 360.4842


 22.7049, 35.1851,
27.0127

 64.5732, 89.7489,
75.9783


 14.4952, 23.8055,
17.3502


 85.4937, 116.0265,
100.3548

 8.5499, 15.1894,
10.3199


 110.5052,
146.9896, 129.4560

 4.5035, 8.9524,
5.5032

 139.9732,
183.0225, 163.7007

 1.9908, 4.7102,
2.4816

174.2630,
224.5097, 203.5073

 0.6288, 2.0782,
0.8304

213.7399,

 0.0000, 0.6523,

271.8356, 249.2944

0.0000

258.7693,
325.3846, 301.4805

■ 0.0000, 0.0000,
0.0000

■ 33.5442, 49.7126,
39.7258

■ 33.5442, 49.7126,
39.7258

■ 30.7797, 48.3797,
35.4920

■ 36.9551, 51.3740,
44.3271

■ 28.6110, 47.3453,
31.6125

■ 41.0503, 53.3793,
49.3018

■ 26.9859, 46.5840,
28.0780

■ 45.8692, 55.7499,
54.6601

■ 25.8406, 46.0633,
24.8772

■ 51.4473, 58.5041,
60.4105

■ 25.1921, 45.7788,
22.5953

■ 57.8174, 61.6584,
66.5613

65.0104, 65.2288,
73.1206

73.0555, 69.2302,
80.0960

78.3579, 71.8091,
87.3256

79.7700, 72.3740,
94.7618

Harmonies

Analogous

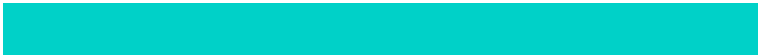
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5343, 49.7126, 25.7112



33.5442, 49.7126, 39.7258



32.9679, 49.7126, 62.6685

Triad

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



33.5442, 49.7126, 39.7258



50.1451, 49.7126, 114.2204



60.8378, 49.7126, 29.3387

Complementary

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



33.5442, 49.7126, 39.7258



35.6204, 24.3601, 31.2602

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.



65.1564, 49.7126, 46.4020



33.5442, 49.7126, 39.7258



58.5131, 49.7126, 98.2297

Square

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



33.5442, 49.7126, 39.7258



41.9096, 49.7126, 110.8232



64.2583, 49.7126, 71.6493



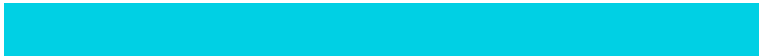
53.0265, 49.7126, 21.0744

Rectangle

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



33.5442, 49.7126, 39.7258



34.5153, 49.7126, 80.9764



64.2583, 49.7126, 71.6493



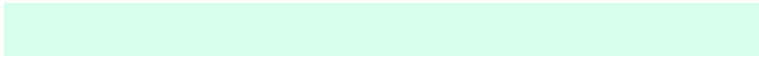
62.7860, 49.7126, 33.9868

Sweetspot

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



33.5455, 49.7146, 39.7269



78.7064, 91.9088, 93.0331



37.0341, 51.9559, 19.8816



16.4482, 19.4757, 19.5021



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.



33.5455, 49.7146, 39.7269



48.7139, 77.2390, 55.8546



37.8602, 50.0607, 66.7011



11.9179, 13.3109, 13.9241



15.9198, 28.8609, 14.4898



0.9300, 1.6297, 1.0201

Inverse Universe

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



35.6204, 24.3601, 31.2602



52.4097, 32.1821, 40.8514



32.7962, 23.7884, 14.6681



12.0332, 11.8980, 13.4505



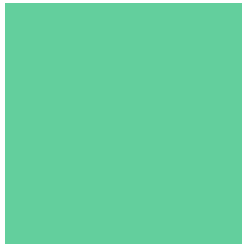
17.5846, 8.9067, 7.9848



1.0231, 0.5140, 0.6564

Previews

White Background



This preview shows how the XYZ color 33.5442, 49.7126, 39.7258 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 33.5442, 49.7126, 39.7258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

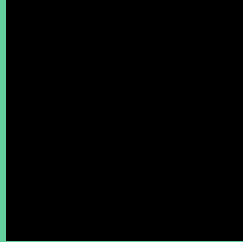
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5442, 49.7126, 39.7258

Background



This preview shows how black text looks on a background with the XYZ color 33.5442, 49.7126, 39.7258.

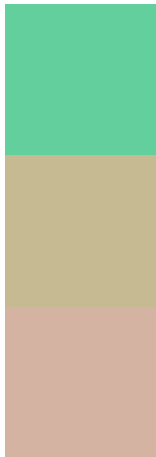


This preview shows how white text looks on a background with the XYZ color 33.5442, 49.7126,

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

33.5442, 49.7126, 39.7258

Protanopia

46.1141, 49.2302, 34.6757

Deuteranopia

49.8823, 48.8816, 41.4563



Tritanopia

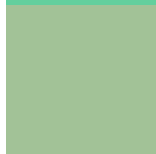
39.8916, 49.4661, 71.7354

Trichromacy



Original Color

33.5442, 49.7126, 39.7258



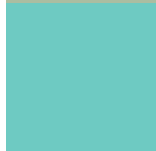
Protanomaly

39.7780, 48.4993, 36.5429



Deuteranomaly

41.4252, 47.6263, 40.7277



Tritanomaly

37.2885, 49.4511, 58.6186

Monochromacy



Original Color

33.5442, 49.7126, 39.7258



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.2266, 42.5129, 41.9465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5442, 49.7126, 39.7258 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(99, 207, 157)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 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(99, 207, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.5442, 49.7126, 39.7258 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(99, 207, 157) }
```


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

```
.border{ border-color:rgb(99, 207, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 207, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 207, 157); box-shadow:4px 4px 4px 4px rgb(99, 207, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5442, 49.7126, 39.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 157) }
```

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

```
.background{ background-color: rgb(99, 207,  
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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