

Converting Colors

XYZ(33.0022, 50.3213, 34.0846)

Have a look what the booklet for
XYZ(33.0022, 50.3213, 34.0846)
contains.

XYZ(32.9040, 50.2367, 33.9490)	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(32.9040, 50.2367,
33.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	63D18F
RGB	99, 209, 143
RGB Percent	39%, 82%, 56%
CMY	0.6118, 0.1804, 0.4392
CMYK	0.53, 0.00, 0.32, 0.18
HSL	144°, 54%, 60%
HSV	144°, 53%, 82%
XYZ	32.9040, 50.2367, 33.9490
YIQ	168.5860, -44.3740, -43.8460

Conversions

Conversions Part 2

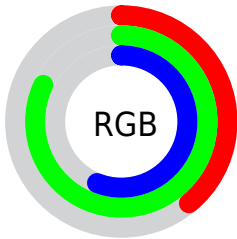
Format	Color
RYB	99, 178, 209
Decimal	6541711
CIELab	76.21, -46.39, 23.37
CIElCh	76, 51.949, 153.263
Yxy	50.2367, 0.2810, 0.4290
Android (android.graphics.Color)	4284731791 (0xFF63D18F)
YUV	168.5860, -12.6139, -61.0269
Hunter-Lab	70.8779, -41.1702, 21.2158

Details

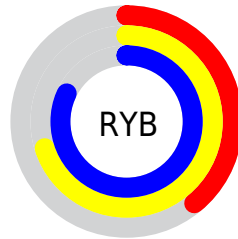
The XYZ color **32.9040, 50.2367, 33.9490** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.5495, 25.1968, 38.4838**, and the grayscale version is **37.5847, 39.5420, 43.0613**.

A 20% lighter version of the original color is **59.7427, 82.7193, 65.6410**, and **14.1805, 24.2412, 14.0569** is the 20% darker color. If you saturate the color by 10%, you get **30.0120, 48.8509, 29.1293**, and if you desaturate by 10%, it is **36.4957, 51.9737, 39.3581**.

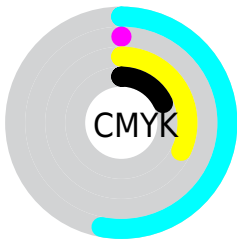
Distribution



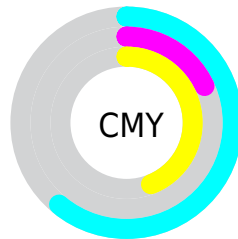
- Red (39%)
- Green (82%)
- Blue (56%)



- Red (39%)
- Yellow (70%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)





- Cyan (61%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9040, 50.2367, 33.9490 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 32.9040, 50.2367, 33.9490 by changing the saturation by 10% instead.


 32.9040, 50.2367,
33.9490


 32.9040, 50.2367,
33.9490


306.8896,
387.5909, 334.6668


 22.2118, 35.6015,
22.5774


 63.5813, 90.5255,
66.9873


 14.1301, 24.1266,
14.0794


 84.2971, 116.9479,
89.4911

 8.2935, 15.4276,
8.0365

 109.0848,
148.0681, 116.5427

 4.3367, 9.1200,
4.0302

 138.3098,
184.2706, 148.5607

 1.8943, 4.8195,
1.6419

172.3374,
225.9397, 185.9635

 0.5735, 2.1418,
0.3205

211.5330,

 0.0000, 0.6880,

273.4599, 229.1698

0.0000

256.2620,
327.2154, 278.5981

■ 0.0000, 0.0000,
0.0000

■ 32.9040, 50.2367,
33.9490

■ 32.9040, 50.2367,
33.9490

■ 30.0120, 48.8509,
29.1293

■ 36.4957, 51.9737,
39.3581

■ 27.7656, 47.7847,
24.8749

■ 40.8281, 54.0785,
45.3726

■ 26.1089, 47.0110,
21.1654

■ 45.9434, 56.5739,
52.0120

■ 24.9737, 46.4952,
17.9771

■ 51.8797, 59.4791,
59.2941

■ 24.3859, 46.2366,
15.9448

■ 58.6722, 62.8120,
67.2358

■ 66.3544, 66.5895,
75.8534

■ 74.9576, 70.8275,
85.1625

■ 80.2682, 73.3535,
94.9799

■ 82.0914, 74.0827,
104.5805

Harmonies

Analogous

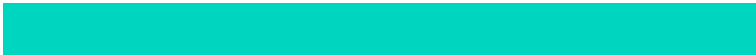
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1983, 50.2367, 20.9993



32.9040, 50.2367, 33.9490



31.3898, 50.2367, 57.8083

Triad

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



32.9040, 50.2367, 33.9490



48.8221, 50.2367, 127.5920



65.1761, 50.2367, 30.2461

Complementary

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



32.9040, 50.2367, 33.9490



37.5495, 25.1968, 38.4838

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.



68.9851, 50.2367, 51.7036



32.9040, 50.2367, 33.9490



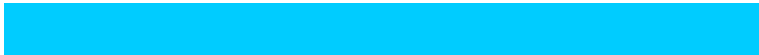
58.7709, 50.2367, 112.8971

Square

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



32.9040, 50.2367, 33.9490



39.8112, 50.2367, 117.9172



66.4962, 50.2367, 82.5415



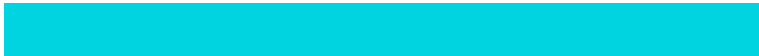
56.6763, 50.2367, 19.4281

Rectangle

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



32.9040, 50.2367, 33.9490



32.5312, 50.2367, 78.7263



66.4962, 50.2367, 82.5415



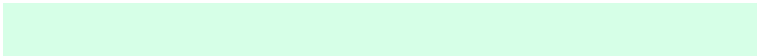
67.0962, 50.2367, 36.1378

Sweetspot

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



32.9053, 50.2388, 33.9501



77.9060, 91.5887, 88.8184



40.9555, 54.7013, 20.2049



16.2579, 19.3995, 18.5000



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.



32.9053, 50.2388, 33.9501



46.6361, 76.4079, 44.9132



37.9304, 52.2488, 60.4121



11.8494, 13.2835, 13.5634



15.0808, 28.5252, 10.0715



0.8820, 1.6105, 0.7672

Inverse Universe

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



37.5495, 25.1968, 38.4838



54.6494, 33.0780, 52.6456



33.6731, 23.6462, 18.0708



12.1022, 11.9256, 13.8142



18.5605, 9.2970, 13.1235



1.0764, 0.5353, 0.9372

Previews

White Background



This preview shows how the XYZ color 32.9040, 50.2367, 33.9490 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 32.9040, 50.2367, 33.9490 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 32.9040, 50.2367, 33.9490

Background



This preview shows how black text looks on a background with the XYZ color 32.9040, 50.2367, 33.9490.

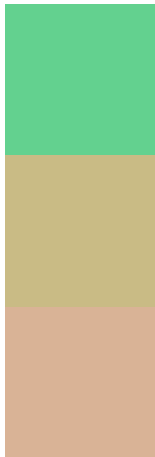


This preview shows how white text looks on a background with the XYZ color 32.9040, 50.2367,

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

32.9040, 50.2367, 33.9490

Protanopia

46.0914, 49.6516, 29.3447

Deuteranopia

50.2404, 49.1939, 35.7016



Tritanopia

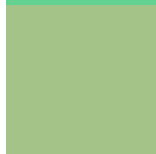
40.6567, 50.1884, 72.5102

Trichromacy



Original Color

32.9040, 50.2367, 33.9490



Protanomaly

39.3403, 48.7289, 30.9991



Deuteranomaly

41.1355, 47.9322, 34.6875



Tritanomaly

37.2233, 49.8307, 55.8005

Monochromacy



Original Color

32.9040, 50.2367, 33.9490



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.9873, 42.7483, 39.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9040, 50.2367, 33.9490 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, 209, 143)` looks like.

```
.text, #text, p{  
    color:rgb(99, 209, 143)  
}
```

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, 209, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 209, 143) }
```

Border

The CSS property to change the border of an element to XYZ 32.9040, 50.2367, 33.9490 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, 209, 143) }
```


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

```
.border{ border-color:rgb(99, 209, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 209, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 209, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 209, 143);  
box-shadow:4px 4px 4px 4px rgb(99, 209,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9040, 50.2367, 33.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 209, 143) }
```

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

```
.background{ background-color: rgb(99, 209,  
143) }
```

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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