

# Converting Colors

XYZ(32.2223, 49.7828, 34.8409)

Have a look what the booklet for  
XYZ(32.2223, 49.7828, 34.8409)  
contains.

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# Color

**XYZ(32.2257, 49.8694,  
34.7154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD191
RGB	91, 209, 145
RGB Percent	36%, 82%, 57%
CMY	0.6431, 0.1804, 0.4314
CMYK	0.56, 0.00, 0.31, 0.18
HSL	147°, 56%, 59%
HSV	147°, 56%, 82%
XYZ	32.2257, 49.8694, 34.7154
YIQ	166.4220, -49.7840, -44.9200

# Conversions

## Conversions Part 2

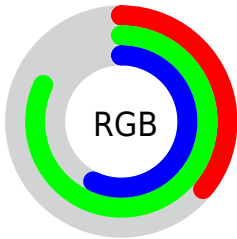
Format	Color
<a href="#">RYB</a>	<a href="#">91, 172, 209</a>
Decimal	<a href="#">6017425</a>
CIELab	<a href="#">75.99, -47.85, 21.97</a>
CIELCh	<a href="#">76, 52.656, 155.339</a>
Yxy	<a href="#">49.8694, 0.2759, 0.4269</a>
Android (android.graphics.Color)	<a href="#">4284207505 (0xFF5BD191)</a>
YUV	<a href="#">166.4220, -10.5610, -66.1451</a>
Hunter-Lab	<a href="#">70.6183, -42.1259, 20.2863</a>

# Details

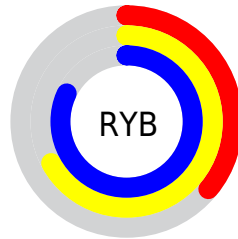
The XYZ color **32.2257, 49.8694, 34.7154** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.9536, 23.4052, 33.6348**, and the grayscale version is **36.5178, 38.4195, 41.8389**.

A 20% lighter version of the original color is **58.6465, 82.1276, 66.7940**, and **13.8071, 24.0385, 14.5019** is the 20% darker color. If you saturate the color by 10%, you get **29.6144, 48.6206, 30.2563**, and if you desaturate by 10%, it is **35.5005, 51.4529, 39.6631**.

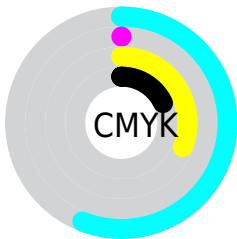
# Distribution



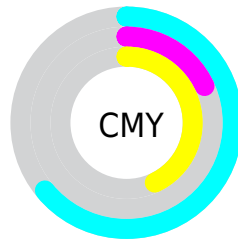
- Red (36%)
- Green (82%)
- Blue (57%)



- Red (36%)
- Yellow (67%)
- Blue (82%)



- Cyan (56%)
- Magenta (0%)
- Yellow (31%)
- Black (18%)




- Cyan (64%)
- Magenta (18%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2257, 49.8694, 34.7154 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 32.2257, 49.8694, 34.7154 by changing the saturation by 10% instead.





 32.2257, 49.8694,  
34.7154


 32.2257, 49.8694,  
34.7154


303.8732,  
386.1550, 338.1763


 21.6903, 35.3096,  
23.1619


 62.5276, 89.9813,  
68.1912


 13.7449, 23.9015,  
14.5067


 83.0248, 116.3023,  
90.9506

 8.0239, 15.2606,  
8.3312

 107.5733,  
147.3125, 118.2824

 4.1622, 9.0025,  
4.2168

 136.5385,  
183.3962, 150.6052

 1.7943, 4.7428,  
1.7450

170.2857,  
224.9380, 188.3374

 0.5142, 2.0971,  
0.3913

209.1803,

 0.0000, 0.6630,

272.3221, 231.8976

0.0000

253.5877,  
325.9330, 281.7044

■ 0.0000, 0.0000,  
0.0000

■ 32.2257, 49.8694,  
34.7154

■ 32.2257, 49.8694,  
34.7154

■ 29.6144, 48.6206,  
30.2563

■ 35.5005, 51.4529,  
39.6631

■ 27.6111, 47.6741,  
26.2666

■ 39.4808, 53.3883,  
45.1109

■ 26.1575, 47.0015,  
22.7308

■ 44.2092, 55.6988,  
51.0740

■ 25.1778, 46.5640,  
19.6308

■ 49.7240, 58.4038,  
57.5660

■ 24.8963, 46.4407,  
18.6324

■ 56.0607, 61.5214,  
64.6000

■ 63.2525, 65.0684,  
72.1884

■ 71.3310, 69.0609,  
80.3434

■ 79.1367, 72.9009,  
89.0211

■ 80.8339, 73.5797,  
97.9585

# Harmonies

## Analogous

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



37.2942, 49.8694, 21.0518



32.2257, 49.8694, 34.7154



30.9739, 49.8694, 59.4888

# Triad

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



32.2257, 49.8694, 34.7154



49.1783, 49.8694, 127.9076



64.5327, 49.8694, 28.6401

# Complementary

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



32.2257, 49.8694, 34.7154



35.9536, 23.4052, 33.6348

# 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.



68.7969, 49.8694, 49.4207



32.2257, 49.8694, 34.7154



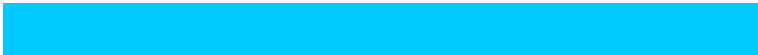
59.1826, 49.8694, 111.4428

# Square

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



32.2257, 49.8694, 34.7154



39.9487, 49.8694, 119.7693



66.7154, 49.8694, 80.1350



55.7232, 49.8694, 18.4878

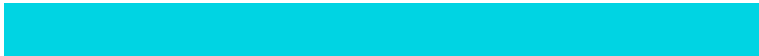


# Rectangle

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



32.2257, 49.8694, 34.7154



32.2988, 49.8694, 80.8896



66.7154, 49.8694, 80.1350



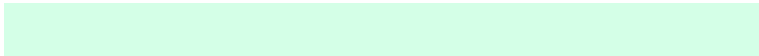
66.5968, 49.8694, 34.2865

# Sweetspot

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



32.2270, 49.8714, 34.7165



77.3034, 91.2622, 89.5041



38.3814, 53.4164, 18.1856



16.1521, 19.3404, 18.7028



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.



32.2270, 49.8714, 34.7165



45.6337, 75.8674, 45.9344



37.9079, 52.1438, 64.6315



11.8781, 13.2950, 13.7143



15.3982, 28.6522, 11.7432



0.9008, 1.6180, 0.8663



# Inverse Universe

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



35.9536, 23.4052, 33.6348



52.0290, 30.3551, 44.0093



32.1900, 21.8997, 13.8159



12.0731, 11.9140, 13.6605



18.1129, 9.1180, 10.7669



1.0526, 0.5257, 0.8116



# Previews

## White Background



This preview shows how the XYZ color 32.2257, 49.8694, 34.7154 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 32.2257, 49.8694, 34.7154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

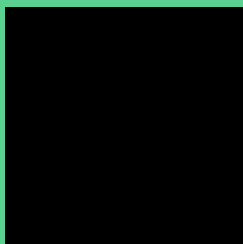
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

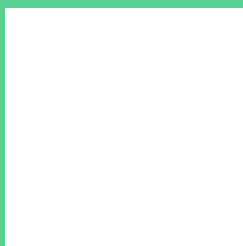
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.2257, 49.8694, 34.7154**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2257, 49.8694, 34.7154.



This preview shows how white text looks on a background with the XYZ color 32.2257, 49.8694,



# 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

32.2257, 49.8694, 34.7154

### Protanopia

45.7515, 49.1464, 29.9965

### Deuteranopia

50.1065, 49.1061, 36.5433



## Tritanopia

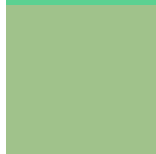
39.7310, 49.7112, 72.4669

# Trichromacy



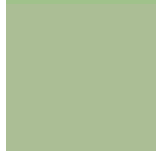
## Original Color

32.2257, 49.8694, 34.7154



## Protanomaly

38.4492, 47.9212, 31.6493



## Deuteranomaly

40.6329, 47.6548, 35.4905



## Tritanomaly

36.3591, 49.3726, 56.3287

# Monochromacy



## Original Color

32.2257, 49.8694, 34.7154



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

33.5470, 41.4135, 38.5732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2257, 49.8694, 34.7154 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(91, 209, 145)` looks like.

```
.text, #text, p{  
    color:rgb(91, 209, 145)  
}
```

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(91, 209, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 209, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2257, 49.8694, 34.7154 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(91, 209, 145) }
```



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

```
.border{ border-color:rgb(91, 209, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 209, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 209, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 209, 145);  
box-shadow:4px 4px 4px 4px rgb(91, 209,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2257, 49.8694, 34.7154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 209, 145) }
```

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

```
.background{ background-color: rgb(91, 209,  
145) }
```

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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