

# Converting Colors

XYZ(35.1332, 46.1013, 26.4777)

Have a look what the booklet for  
XYZ(35.1332, 46.1013, 26.4777)  
contains.

<b>XYZ(34.9844, 45.9165, 26.4209)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.9844, 45.9165,  
26.4209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94C17D
RGB	148, 193, 125
RGB Percent	58%, 76%, 49%
CMY	0.4196, 0.2431, 0.5098
CMYK	0.23, 0.00, 0.35, 0.24
HSL	100°, 35%, 62%
HSV	100°, 35%, 76%
XYZ	34.9844, 45.9165, 26.4209
YIQ	171.7930, -4.9920, -30.6880

# Conversions

## Conversions Part 2

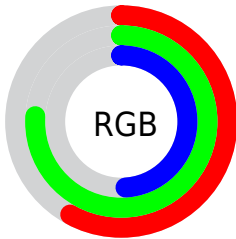
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 193, 170</a>
Decimal	<a href="#">9748861</a>
CIELab	<a href="#">73.49, -27.41, 29.55</a>
CIELCh	<a href="#">73, 40.305, 132.848</a>
Yxy	<a href="#">45.9165, 0.3260, 0.4278</a>
Android (android.graphics.Color)	<a href="#">4287938941 (0xFF94C17D)</a>
YUV	<a href="#">171.7930, -23.0689, -20.8665</a>
Hunter-Lab	<a href="#">67.7617, -26.4260, 24.3155</a>

# Details

The XYZ color **34.9844, 45.9165, 26.4209** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.5387, 27.0648, 53.9109**, and the grayscale version is **39.2238, 41.2665, 44.9392**.

A 20% lighter version of the original color is **66.8501, 84.2821, 54.8642**, and **15.3265, 21.4600, 9.9910** is the 20% darker color. If you saturate the color by 10%, you get **31.6853, 44.3460, 20.4441**, and if you desaturate by 10%, it is **38.7804, 47.7182, 33.6735**.

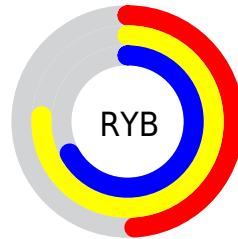
# Distribution



Red (58%)

Green (76%)

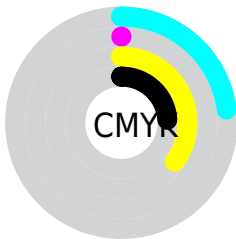
Blue (49%)



Red (49%)

Yellow (76%)

Blue (67%)

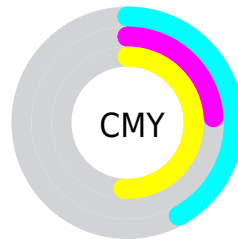


Cyan (23%)

Magenta (0%)

Yellow (35%)

Black (24%)



Cyan (42%)

Magenta (24%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9844, 45.9165, 26.4209 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 34.9844, 45.9165, 26.4209 by changing the saturation by 10% instead.





 34.9844, 45.9165,  
26.4209


 34.9844, 45.9165,  
26.4209


316.0087,  
370.4729, 298.5131


 23.8173, 32.1799,  
16.9102


 66.7958, 84.0940,  
54.9456

 15.3222, 21.4990,  
10.0092


 88.1708, 109.3038,  
74.7966

 9.1336, 13.4892,  
5.2994

 113.6792,  
139.1067, 98.9316

 4.8862, 7.7663,  
2.3622

143.6862,  
173.8872, 127.7689

 2.2147, 3.9458,  
0.7657

178.5574,  
214.0297, 161.7272

 0.7505, 1.6433,  
0.0000

218.6579,

 0.0000, 0.3865,

259.9185, 201.2250

0.0000

264.3532,  
311.9381, 246.6808

■ 0.0000, 0.0000,  
0.0000

■ 34.9844, 45.9165,  
26.4209

■ 34.9844, 45.9165,  
26.4209

■ 31.6853, 44.3460,  
20.4441

■ 38.7804, 47.7182,  
33.6735

■ 28.8574, 42.9910,  
15.6662

■ 43.0906, 49.7545,  
42.2666

■ 26.4780, 41.8429,  
12.0070


■ 47.9355, 52.0358,  
52.2644


■ 24.5204, 40.8899,  
9.3749


■ 53.3334, 54.5705,  
63.7258


■ 22.9549, 40.1192,  
7.6642


■ 59.3019, 57.3662,  
76.7065


 21.7466, 39.5153,  
6.7452

 65.8575, 60.4304,  
91.2592

 21.2691, 39.2750,  
6.4598

 72.1834, 63.4372,  
103.0479

 76.6112, 65.7198,  
103.2551

 78.3609, 66.6218,  
103.3370

# Harmonies

## Analogous

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



40.6704, 45.9165, 20.6997



34.9844, 45.9165, 26.4209



31.8322, 45.9165, 39.3084

# Triad

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



34.9844, 45.9165, 26.4209



39.7310, 45.9165, 97.5532



58.3847, 45.9165, 41.7794

# Complementary

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



34.9844, 45.9165, 26.4209



33.5387, 27.0648, 53.9109

# 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.



58.0625, 45.9165, 62.4622



34.9844, 45.9165, 26.4209



46.7555, 45.9165, 98.7471

# Square

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



34.9844, 45.9165, 26.4209



34.3613, 45.9165, 81.6524



53.6222, 45.9165, 84.5718



54.4599, 45.9165, 27.8042



# Rectangle

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



34.9844, 45.9165, 26.4209



31.3553, 45.9165, 51.9674



53.6222, 45.9165, 84.5718



58.7809, 45.9165, 48.0737

# Sweetspot

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



34.9856, 45.9185, 26.4219



80.5785, 90.7120, 82.6586



39.9210, 41.2704, 25.2646



17.0373, 19.3432, 17.2210



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

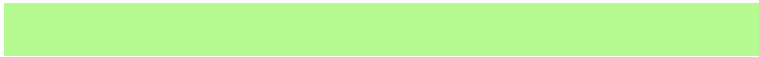


# Same Dimension

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



34.9856, 45.9185, 26.4219



58.1858, 80.1078, 39.1603



31.9161, 44.2569, 29.8567



10.2584, 11.4206, 10.7256



14.2230, 26.1611, 4.3000



0.6889, 1.1687, 0.1893



# Inverse Universe

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



33.5387, 27.0648, 53.9109



55.2054, 41.4857, 95.4582



37.8541, 29.4165, 48.3756



10.1557, 10.0714, 12.6935



12.3838, 5.6445, 33.9934



0.6061, 0.2805, 1.4721



# Previews

## White Background



This preview shows how the XYZ color 34.9844, 45.9165, 26.4209 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 34.9844, 45.9165, 26.4209 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 34.9844, 45.9165, 26.4209**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9844, 45.9165, 26.4209.



This preview shows how white text looks on a background with the XYZ color 34.9844, 45.9165,



# 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

34.9844, 45.9165, 26.4209

### Protanopia

42.2171, 45.6007, 24.3460

### Deuteranopia

46.2224, 45.2629, 27.4195



## Tritanopia

41.9465, 45.8781, 60.6774

# Trichromacy



## Original Color

34.9844, 45.9165, 26.4209

## Protanomaly

39.2219, 45.5680, 25.1407

## Deuteranomaly

41.2038, 45.0198, 26.9401

## Tritanomaly

38.9270, 45.5871, 45.7772

# Monochromacy



## Original Color

34.9844, 45.9165, 26.4209

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

37.3419, 42.7956, 37.3026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9844, 45.9165, 26.4209 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(148, 193, 125)` looks like.

```
.text, #text, p{  
    color:rgb(148, 193, 125)  
}
```

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(148, 193, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 193, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9844, 45.9165, 26.4209 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(148, 193, 125) }
```



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

```
.border{ border-color:rgb(148, 193, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 193, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 193, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 193, 125);  
box-shadow:4px 4px 4px 4px rgb(148, 193,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9844, 45.9165, 26.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 193, 125) }
```

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

```
.background{ background-color: rgb(148,  
193, 125) }
```

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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