

# Converting Colors

XYZ(32.4072, 59.5734, 25.0586)

Have a look what the booklet for  
XYZ(32.4072, 59.5734, 25.0586)  
contains.

<b>XYZ(32.4644, 59.6544, 25.1326)</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(32.4644, 59.6544,  
25.1326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19E970
RGB	25, 233, 112
RGB Percent	10%, 91%, 44%
CMY	0.9020, 0.0863, 0.5608
CMYK	0.89, 0.00, 0.52, 0.09
HSL	145°, 83%, 51%
HSV	145°, 89%, 91%
XYZ	32.4644, 59.6544, 25.1326
YIQ	157.0140, -85.1270, -81.7270

# Conversions

## Conversions Part 2

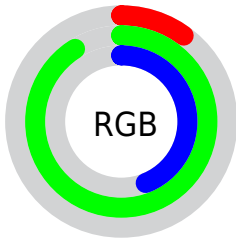
Format	Color
<a href="#">RYB</a>	<a href="#">25, 172, 233</a>
Decimal	<a href="#">1698160</a>
CIELab	<a href="#">81.65, -71.40, 45.68</a>
CIELCh	<a href="#">82, 84.757, 147.389</a>
Yxy	<a href="#">59.6544, 0.2769, 0.5088</a>
Android (android.graphics.Color)	<a href="#">4279888240 (0xFF19E970)</a>
YUV	<a href="#">157.0140, -22.1919, -115.7763</a>
Hunter-Lab	<a href="#">77.2363, -60.1353, 34.7725</a>

# Details

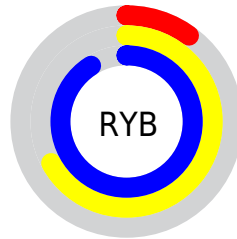
The XYZ color **32.4644, 59.6544, 25.1326** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **39.1419, 20.0951, 29.0113**, and the grayscale version is **32.1796, 33.8554, 36.8686**.

A 20% lighter version of the original color is **49.7132, 77.9180, 48.4959**, and **16.3409, 31.3769, 9.4701** is the 20% darker color. If you saturate the color by 10%, you get **31.3873, 59.1815, 21.4355**, and if you desaturate by 10%, it is **34.1108, 60.4109, 29.4520**.

# Distribution



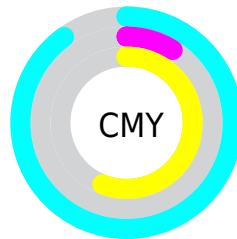
- Red (10%)
- Green (91%)
- Blue (44%)



- Red (10%)
- Yellow (67%)
- Blue (91%)



- Cyan (89%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)




- Cyan (90%)
- Magenta (9%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4644, 59.6544, 25.1326 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 32.4644, 59.6544, 25.1326 by changing the saturation by 10% instead.





 32.4644, 59.6544,  
25.1326


 32.4644, 59.6544,  
25.1326


304.9372,  
423.3227, 291.9664


 21.8737, 43.1401,  
15.9560


 62.8987, 104.3282,  
52.8390


 13.8802, 29.9951,  
9.3390


 83.4731, 133.2565,  
72.2059


 8.1186, 19.8349,  
4.8631


 108.1060,  
167.0915, 95.8066

 4.2233, 12.2751,  
2.1098

 137.1629,  
206.2178, 124.0597

 1.8292, 6.9313,  
0.6216

 171.0091,  
251.0197, 157.3837

 0.5352, 3.4192,  
0.0000

210.0100,

 0.0000, 1.3543,

301.8815, 196.1971

0.0000

254.5309,  
359.1877, 240.9185

■ 0.0000, 0.1827,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.4644, 59.6544,  
25.1326

■ 32.4644, 59.6544,  
25.1326

■ 31.3873, 59.1815,  
21.4355

■ 34.1108, 60.4109,  
29.4520

■ 31.3192, 59.1518,  
21.1884

■ 36.4515, 61.5101,  
34.4206

■ 39.5717, 62.9969,  
40.0669

■ 43.5424, 64.9074,  
46.4165

■ 48.4260, 67.2734,  
53.4933

■ 54.2792, 70.1237,  
61.3201

■ 61.1536, 73.4844,  
69.9187

■ 69.0971, 77.3798,  
79.3099

■ 78.1546, 81.8326,  
89.5138

# Harmonies

## Analogous

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



42.3570, 59.6544, 10.9852



32.4644, 59.6544, 25.1326



28.9043, 59.6544, 60.5870

# Triad

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



32.4644, 59.6544, 25.1326



55.1538, 59.6544, 220.4907



92.8743, 59.6544, 29.4700

# Complementary

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



32.4644, 59.6544, 25.1326



39.1419, 20.0951, 29.0113

# 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.



98.2612, 59.6544, 69.5249



32.4644, 59.6544, 25.1326



73.9618, 59.6544, 196.7868

# Square

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



32.4644, 59.6544, 25.1326



40.1709, 59.6544, 187.5791



90.7232, 59.6544, 133.4607



77.2351, 59.6544, 12.4091



# Rectangle

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



32.4644, 59.6544, 25.1326



29.8916, 59.6544, 98.9032



90.7232, 59.6544, 133.4607



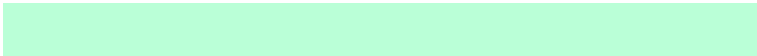
96.0704, 59.6544, 39.8257

# Sweetspot

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



32.4659, 59.6568, 25.1340



68.3052, 86.8815, 77.4246



41.2296, 64.4923, 11.1951



14.0434, 18.3148, 15.8292



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.



32.4659, 59.6568, 25.1340



38.3959, 72.5744, 25.8005



41.8932, 63.4278, 74.7776



15.1297, 16.9667, 17.3657



17.8291, 33.5861, 12.3310



1.4470, 2.6561, 1.2158



# Inverse Universe

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



39.1419, 20.0951, 29.0113



46.6124, 23.4089, 30.2205



34.3773, 18.1893, 3.9212



15.4329, 15.2010, 17.5651



21.6342, 10.8564, 14.4069

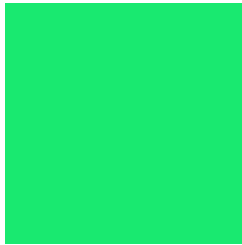


1.7466, 0.8716, 1.3830



# Previews

## White Background



This preview shows how the XYZ color 32.4644, 59.6544, 25.1326 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 32.4644, 59.6544, 25.1326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

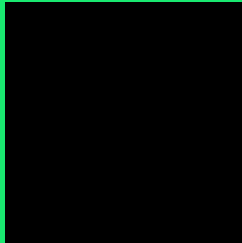
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

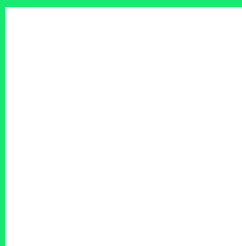
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.4644, 59.6544, 25.1326**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.4644, 59.6544, 25.1326.



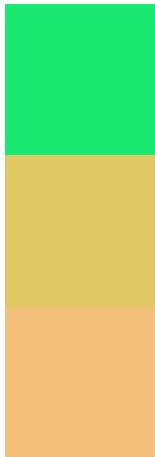
This preview shows how white text looks on a background with the XYZ color 32.4644, 59.6544,



# 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

32.4644, 59.6544, 25.1326

### Protanopia

53.3598, 58.2425, 20.7415

### Deuteranopia

59.3869, 58.1840, 26.8395



## Tritanopia

45.0312, 59.0528, 89.1457

# Trichromacy



## Original Color

32.4644, 59.6544, 25.1326



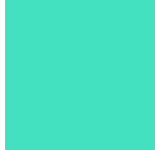
## Protanomaly

38.9217, 55.0925, 21.9471



## Deuteranomaly

40.9524, 53.8501, 25.6884



## Tritanomaly

38.5540, 58.3460, 59.0991

# Monochromacy



## Original Color

32.4644, 59.6544, 25.1326



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

28.4634, 39.8722, 31.3952

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.4644, 59.6544, 25.1326 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(25, 233, 112)` looks like.

```
.text, #text, p{  
    color:rgb(25, 233, 112)  
}
```

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(25, 233, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 233, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 32.4644, 59.6544, 25.1326 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(25, 233, 112) }
```



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

```
.border{ border-color:rgb(25, 233, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 233, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 233, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 233, 112);  
box-shadow:4px 4px 4px 4px rgb(25, 233,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.4644, 59.6544, 25.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 233, 112) }
```

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

```
.background{ background-color: rgb(25, 233,  
112) }
```

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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