

Converting Colors

XYZ(32.8402, 58.1069, 32.7184)

Have a look what the booklet for
XYZ(32.8402, 58.1069, 32.7184)
contains.

XYZ(32.7941, 57.9868, 32.7567)	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(32.7941, 57.9868,
32.7567)**

Conversions

Conversions Part 1

Format	Color
Hex	16E588
RGB	22, 229, 136
RGB Percent	9%, 90%, 53%
CMY	0.9137, 0.1019, 0.4667
CMYK	0.90, 0.00, 0.41, 0.10
HSL	153°, 82%, 49%
HSV	153°, 90%, 90%
XYZ	32.7941, 57.9868, 32.7567
YIQ	156.5050, -93.5190, -72.8070

Conversions

Conversions Part 2

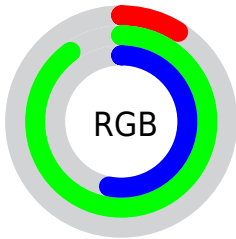
Format	Color
R_{YB}	22, 155, 229
Decimal	1500552
CIE _{Lab}	80.73, -66.26, 32.77
CIE _{LCh}	81, 73.916, 153.686
Yxy	57.9868, 0.2655, 0.4694
Android (android.graphics.Color)	4279690632 (0xFF16E588)
YUV	156.5050, -10.1090, -117.9609
Hunter-Lab	76.1491, -56.3887, 27.7998

Details

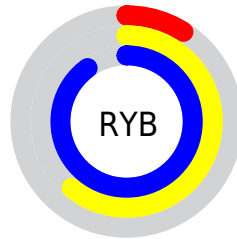
The XYZ color **32.7941, 57.9868, 32.7567** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.6965, 18.4708, 17.9064**, and the grayscale version is **31.9015, 33.5628, 36.5499**.

A 20% lighter version of the original color is **51.8643, 78.7484, 61.1816**, and **16.3922, 30.1609, 13.5520** is the 20% darker color. If you saturate the color by 10%, you get **31.7937, 57.5501, 29.2100**, and if you desaturate by 10%, it is **34.3096, 58.6810, 36.8315**.

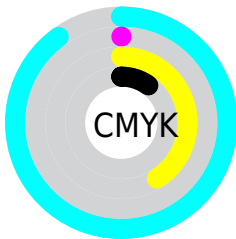
Distribution



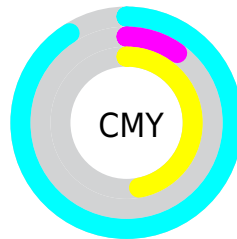
- Red (9%)
- Green (90%)
- Blue (53%)



- Red (9%)
- Yellow (61%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (41%)
- Black (10%)





- Cyan (91%)
- Magenta (10%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7941, 57.9868, 32.7567 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 32.7941, 57.9868, 32.7567 by changing the saturation by 10% instead.


 32.7941, 57.9868,
32.7567


 32.7941, 57.9868,
32.7567


306.4023,
417.1367, 329.1503


 22.1272, 41.7980,
21.6705


 63.4108, 101.9036,
65.1071


 14.0675, 28.9432,
13.4190


 84.0913, 130.4005,
87.2085


 8.2497, 19.0378,
7.5836


 108.8404,
163.7689, 113.8186

 4.3083, 11.6976,
3.7458

 138.0235,
202.3931, 145.3561

 1.8780, 6.5381,
1.4869

 172.0058,
246.6576, 182.2395

 0.5640, 3.1750,
0.2082

211.1529,

 0.0000, 1.2238,

296.9468, 224.8873

0.0000

255.8299,
353.6450, 273.7180

■ 0.0000, 0.0810,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.7941, 57.9868,
32.7567

■ 32.7941, 57.9868,
32.7567


■ 31.7937, 57.5501,
29.2100


■ 34.3096, 58.6810,
36.8315


■ 36.4410, 59.6829,
41.3101


■ 39.2692, 61.0354,
46.2073


■ 42.8608, 62.7728,
51.5351

 47.2744, 64.9249,
57.3053

 52.5627, 67.5188,
63.5288

 58.7736, 70.5791,
70.2162

 65.9517, 74.1285,
77.3776

 74.1383, 78.1881,
85.0228

Harmonies

Analogous

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



40.4032, 57.9868, 15.8791



32.7941, 57.9868, 32.7567



30.7330, 57.9868, 68.6896

Triad

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



32.7941, 57.9868, 32.7567



57.0206, 57.9868, 189.4264



83.2799, 57.9868, 27.0846

Complementary

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



32.7941, 57.9868, 32.7567



35.6965, 18.4708, 17.9064

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.



89.8464, 57.9868, 57.8934



32.7941, 57.9868, 32.7567



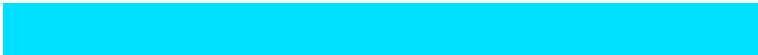
73.0233, 57.9868, 161.9170

Square

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



32.7941, 57.9868, 32.7567



43.1152, 57.9868, 172.2399



85.7859, 57.9868, 108.1413



69.1565, 57.9868, 13.8245

Rectangle

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



32.7941, 57.9868, 32.7567



32.3938, 57.9868, 103.2220



85.7859, 57.9868, 108.1413



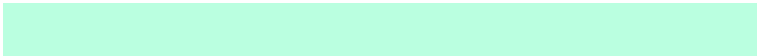
86.5514, 57.9868, 35.0620

Sweetspot

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



32.7956, 57.9891, 32.7580



69.5097, 87.3633, 83.7674



35.2561, 59.7542, 10.4350



14.3261, 18.4278, 17.3176



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.



32.7956, 57.9891, 32.7580



40.5255, 73.4262, 37.0146



39.7159, 56.3108, 82.9075



14.5198, 16.2214, 17.0021



18.2389, 32.9277, 17.0244



1.3945, 2.4519, 1.5038

Inverse Universe

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



35.6965, 18.4708, 17.9064



44.3098, 22.4879, 18.0952



32.9855, 17.7690, 2.4507



14.6448, 14.4751, 16.3299



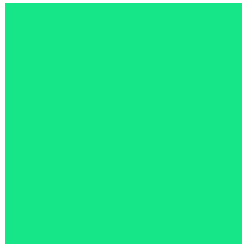
19.9304, 10.1064, 8.5282



1.5190, 0.7653, 0.8738

Previews

White Background



This preview shows how the XYZ color 32.7941, 57.9868, 32.7567 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 32.7941, 57.9868, 32.7567 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

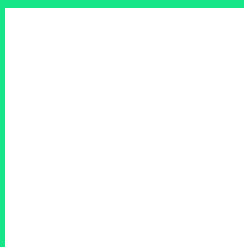
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7941, 57.9868, 32.7567

Background



This preview shows how black text looks on a background with the XYZ color 32.7941, 57.9868, 32.7567.



This preview shows how white text looks on a background with the XYZ color 32.7941, 57.9868, 32.7567.

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

32.7941, 57.9868, 32.7567

Protanopia

52.3804, 56.9010, 27.2910

Deuteranopia

57.7852, 56.5334, 34.6545



Tritanopia

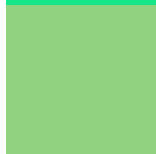
43.5546, 57.5552, 87.4110

Trichromacy



Original Color

32.7941, 57.9868, 32.7567



Protanomaly

38.6199, 53.6714, 28.7462



Deuteranomaly

40.5759, 52.4078, 33.5683



Tritanomaly

38.1519, 56.8606, 62.9972

Monochromacy



Original Color

32.7941, 57.9868, 32.7567



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.5426, 39.2250, 34.5006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7941, 57.9868, 32.7567 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(22, 229, 136)` looks like.

```
.text, #text, p{  
    color:rgb(22, 229, 136)  
}
```

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(22, 229, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 229, 136) }
```

Border

The CSS property to change the border of an element to XYZ 32.7941, 57.9868, 32.7567 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(22, 229, 136) }
```


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

```
.border{ border-color:rgb(22, 229, 136) }
```

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

Here you see how a box with a 4 pixel rgb(22, 229, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 229, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 229, 136);  
box-shadow:4px 4px 4px 4px rgb(22, 229,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7941, 57.9868, 32.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 229, 136) }
```

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

```
.background{ background-color: rgb(22, 229,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor