

Converting Colors

XYZ(27.7948, 58.9555, 33.7448)

Have a look what the booklet for
XYZ(27.7948, 58.9555, 33.7448)
contains.

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Color

**XYZ(34.7995, 62.3745,
33.8723)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED89
RGB	0, 237, 137
RGB Percent	0%, 93%, 54%
CMY	0.9999, 0.0706, 0.4627
CMYK	1.00, 0.00, 0.42, 0.07
HSL	155°, 100%, 46%
HSV	155°, 100%, 93%
XYZ	34.7995, 62.3745, 33.8723
YIQ	154.7370, -109.1520, -81.3440

Conversions

Conversions Part 2

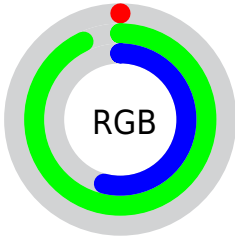
Format	Color
RYB	0, 150, 237
Decimal	60809
CIELab	83.11, -69.51, 35.37
CIElCh	83, 77.991, 153.033
Yxy	62.3745, 0.2656, 0.4760
Android (android.graphics.Color)	4278250889 (0xFF00ED89)
YUV	154.7370, -8.7443, -135.7043
Hunter-Lab	78.9775, -59.5591, 29.8557

Details

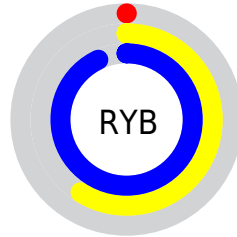
The XYZ color **34.7995, 62.3745, 33.8723** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.2276, 18.9259, 13.7516**, and the grayscale version is **31.1142, 32.7346, 35.6480**.

A 20% lighter version of the original color is **51.7195, 78.6611, 61.7474**, and **17.7998, 32.9121, 14.2186** is the 20% darker color. If you saturate the color by 10%, you get **34.8005, 62.3767, 33.8714**, and if you desaturate by 10%, it is **35.9220, 62.8681, 37.8467**.

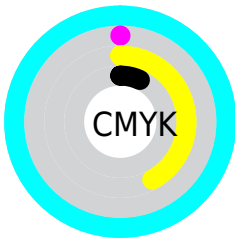
Distribution



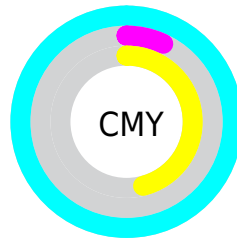
- Red (0%)
- Green (93%)
- Blue (54%)



- Red (0%)
- Yellow (59%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7995, 62.3745, 33.8723 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 34.7995, 62.3745, 33.8723 by changing the saturation by 10% instead.


 34.7995, 62.3745,
33.8723


 34.7995, 62.3745,
33.8723


315.2060,
433.2958, 334.3140


 23.6743, 45.3354,
22.5189


 66.5111, 108.2666,
66.8667


 15.2156, 31.7217,
14.0368


 87.8282, 137.8884,
89.3447

 9.0581, 21.1490,
8.0072


 113.2733,
172.4731, 116.3682

 4.8365, 13.2330,
4.0117

 143.2117,
212.4053, 148.3554

 2.1854, 7.5892,
1.6318

 178.0088,
258.0693, 185.7251

 0.7350, 3.8332,
0.3133

218.0300,

 0.0000, 1.5807,

309.8494, 228.8958

0.0000

263.6406,
368.1301, 278.2859

■ 0.0000, 0.3445,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7995, 62.3745,
33.8723

■ 34.7995, 62.3745,
33.8723

■ 34.8005, 62.3767,
33.8714

■ 35.9220, 62.8681,
37.8467

■ 37.5631, 63.6194,
42.2002

■ 39.8679, 64.7049,
46.9497

■ 42.9220, 66.1683,
52.1075

■ 46.7973, 68.0467,
57.6852

■ 51.5569, 70.3722,
63.6936

■ 57.2574, 73.1742,
70.1429

■ 63.9508, 76.4789,
77.0430

■ 71.6848, 80.3111,
84.4033

Harmonies

Analogous

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



43.2883, 62.3745, 15.9814



34.7995, 62.3745, 33.8723



32.4131, 62.3745, 72.9557

Triad

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



34.7995, 62.3745, 33.8723



61.0199, 62.3745, 209.5254



90.8845, 62.3745, 28.7900

Complementary

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



34.7995, 62.3745, 33.8723



37.2276, 18.9259, 13.7516

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.



97.9790, 62.3745, 63.1125



34.7995, 62.3745, 33.8723



78.8048, 62.3745, 179.5063

Square

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



34.7995, 62.3745, 33.8723



45.7465, 62.3745, 189.0782



93.1880, 62.3745, 119.4128



75.2616, 62.3745, 14.1783

Rectangle

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



34.7995, 62.3745, 33.8723



34.1434, 62.3745, 111.1827



93.1880, 62.3745, 119.4128



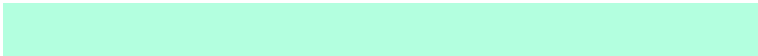
94.4671, 62.3745, 37.6420

Sweetspot

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



34.8011, 62.3770, 33.8737



67.5166, 86.3568, 82.7241



35.8457, 63.4372, 10.3558



13.8129, 18.1697, 17.0032



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.



34.8011, 62.3770, 33.8737



41.0578, 73.6391, 39.8180



41.1974, 57.9358, 89.1352



15.2334, 17.0082, 17.9117



19.0661, 34.0809, 18.8447



1.5450, 2.6953, 1.7319

Inverse Universe

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



37.2276, 18.9259, 13.7516



43.9256, 22.3342, 16.0721



35.1090, 18.3703, 1.6958



15.3292, 15.1595, 17.0188



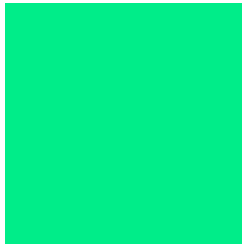
20.3861, 10.3571, 7.8347



1.6479, 0.8321, 0.8633

Previews

White Background



This preview shows how the XYZ color 34.7995, 62.3745, 33.8723 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 34.7995, 62.3745, 33.8723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

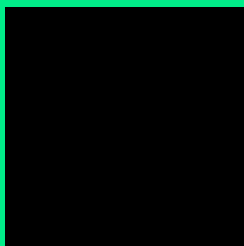
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7995, 62.3745, 33.8723

Background



This preview shows how black text looks on a background with the XYZ color 34.7995, 62.3745, 33.8723.

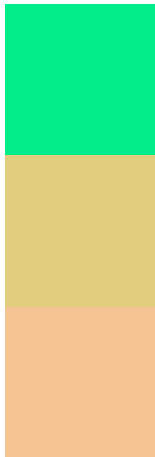


This preview shows how white text looks on a background with the XYZ color 34.7995, 62.3745,

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

34.7995, 62.3745, 33.8723

Protanopia

56.2735, 60.9906, 28.2085

Deuteranopia

62.3146, 60.8195, 36.0588



Tritanopia

47.0334, 62.3477, 94.3494

Trichromacy



Original Color

34.7995, 62.3745, 33.8723



Protanomaly

40.1030, 57.0503, 29.6670



Deuteranomaly

41.7698, 55.5403, 34.5054



Tritanomaly

40.4939, 61.2105, 66.8073

Monochromacy



Original Color

34.7995, 62.3745, 33.8723



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.8398, 39.4887, 34.1717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7995, 62.3745, 33.8723 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(0, 237, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 137)  
}
```

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(0, 237, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 137) }
```

Border

The CSS property to change the border of an element to XYZ 34.7995, 62.3745, 33.8723 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(0, 237, 137) }
```


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

```
.border{ border-color:rgb(0, 237, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 237, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 237, 137); box-shadow:4px 4px 4px 4px rgb(0, 237, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7995, 62.3745, 33.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 137) }
```

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

```
.background{ background-color: rgb(0, 237,  
137) }
```

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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