

Converting Colors

XYZ(28.8241, 56.2369, 32.7018)

Have a look what the booklet for
XYZ(28.8241, 56.2369, 32.7018)
contains.

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Color

**XYZ(32.7407, 58.3712,
32.8337)**

Conversions

Conversions Part 1

Format	Color
Hex	00E688
RGB	0, 230, 136
RGB Percent	0%, 90%, 53%
CMY	0.9999, 0.0980, 0.4667
CMYK	1.00, 0.00, 0.41, 0.10
HSL	155°, 100%, 45%
HSV	155°, 100%, 90%
XYZ	32.7407, 58.3712, 32.8337
YIQ	150.5140, -106.9060, -77.9940

Conversions

Conversions Part 2

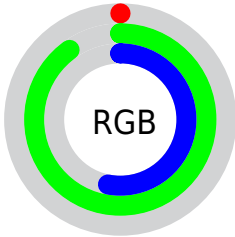
Format	Color
RYB	0, 145, 230
Decimal	59016
CIELab	80.94, -67.37, 33.03
CIELCh	81, 75.028, 153.882
Yxy	58.3712, 0.2642, 0.4709
Android (android.graphics.Color)	4278249096 (0xFF00E688)
YUV	150.5140, -7.1554, -132.0008
Hunter-Lab	76.4010, -57.2079, 28.0006

Details

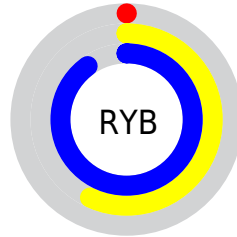
The XYZ color **32.7407, 58.3712, 32.8337** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.6556, 17.6324, 12.1701**, and the grayscale version is **29.2727, 30.7971, 33.5381**.

A 20% lighter version of the original color is **51.3609, 78.4889, 61.1581**, and **16.5833, 30.5430, 13.6157** is the 20% darker color. If you saturate the color by 10%, you get **32.7416, 58.3733, 32.8329**, and if you desaturate by 10%, it is **33.7936, 58.8349, 36.5266**.

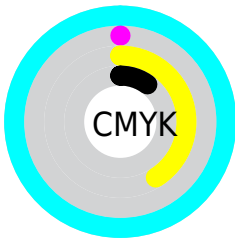
Distribution



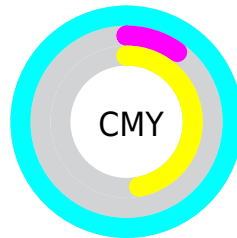
- Red (0%)
- Green (90%)
- Blue (53%)



- Red (0%)
- Yellow (57%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7407, 58.3712, 32.8337 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 32.7407, 58.3712, 32.8337 by changing the saturation by 10% instead.


 32.7407, 58.3712,
32.8337


 32.7407, 58.3712,
32.8337


306.1654,
418.5677, 329.5087


 22.0862, 42.1071,
21.7290


 63.3279, 102.4632,
65.2288

 14.0372, 29.1852,
13.4615


 83.9912, 131.0600,
87.3563


 8.2284, 19.2210,
7.6127

 108.7216,
164.5364, 113.9952

 4.2945, 11.8301,
3.7639

 137.8842,
203.2769, 145.5640

 1.8700, 6.6281,
1.4967

 171.8446,
247.6659, 182.4811

 0.5593, 3.2306,
0.2155

210.9680,

 0.0000, 1.2533,

298.0878, 225.1653

0.0000

255.6198,
354.9269, 274.0350

■ 0.0000, 0.1046,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.7407, 58.3712,
32.8337

■ 32.7407, 58.3712,
32.8337

■ 32.7416, 58.3733,
32.8329

■ 33.7936, 58.8349,
36.5266

■ 35.3252, 59.5370,
40.5541

■ 37.4726, 60.5493,
44.9311

■ 40.3146, 61.9125,
49.6685

■ 43.9181, 63.6609,
54.7761

■ 48.3414, 65.8243,
60.2633

■ 53.6371, 68.4297,
66.1390

■ 59.8531, 71.5018,
72.4116

■ 67.0340, 75.0633,
79.0893

Harmonies

Analogous

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



40.4321, 58.3712, 15.6922



32.7407, 58.3712, 32.8337



30.6865, 58.3712, 69.5280

Triad

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



32.7407, 58.3712, 32.8337



57.5278, 58.3712, 192.8970



84.1717, 58.3712, 26.7872

Complementary

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



32.7407, 58.3712, 32.8337



34.6556, 17.6324, 12.1701

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.



90.9560, 58.3712, 57.9368



32.7407, 58.3712, 32.8337



73.8632, 58.3712, 164.3768

Square

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



32.7407, 58.3712, 32.8337



43.3366, 58.3712, 175.5368



86.8712, 58.3712, 109.1696



69.7033, 58.3712, 13.5206

Rectangle

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



32.7407, 58.3712, 32.8337



32.3951, 58.3712, 104.8841



86.8712, 58.3712, 109.1696



87.5377, 58.3712, 34.8220

Sweetspot

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



32.7422, 58.3735, 32.8350



67.6534, 86.4116, 83.4447



33.1053, 59.0741, 9.6580



13.8454, 18.1827, 17.1745



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.



32.7422, 58.3735, 32.8350



41.3278, 73.7471, 41.2396



37.5377, 52.2216, 82.9671



14.5451, 16.2315, 17.1353



18.5979, 33.0713, 18.9148



1.4202, 2.4622, 1.6391

Inverse Universe

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



34.6556, 17.6324, 12.1701



43.7501, 22.2640, 15.1478



32.8704, 17.2955, 1.6063



14.6200, 14.4652, 16.1991



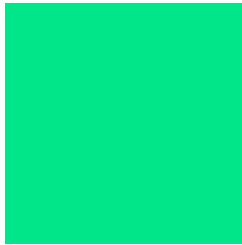
19.6762, 10.0047, 7.1898



1.4992, 0.7574, 0.7691

Previews

White Background



This preview shows how the XYZ color 32.7407, 58.3712, 32.8337 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 32.7407, 58.3712, 32.8337 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 32.7407, 58.3712, 32.8337

Background



This preview shows how black text looks on a background with the XYZ color 32.7407, 58.3712, 32.8337.



This preview shows how white text looks on a background with the XYZ color 32.7407, 58.3712,

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

32.7407, 58.3712, 32.8337

Protanopia

52.6768, 57.0538, 27.3049

Deuteranopia

58.3337, 57.1388, 34.7424



Tritanopia

43.8679, 58.0838, 88.2561

Trichromacy



Original Color

32.7407, 58.3712, 32.8337



Protanomaly

37.4241, 53.0550, 28.6903



Deuteranomaly

39.2915, 52.0997, 33.5765



Tritanomaly

38.0148, 57.1696, 63.6748

Monochromacy



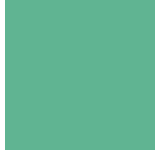
Original Color

32.7407, 58.3712, 32.8337



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.3334, 37.2046, 32.9874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7407, 58.3712, 32.8337 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, 230, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 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(0, 230, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 136) }
```

Border

The CSS property to change the border of an element to XYZ 32.7407, 58.3712, 32.8337 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, 230, 136) }
```


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

```
.border{ border-color:rgb(0, 230, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7407, 58.3712, 32.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 136) }
```

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

```
.background{ background-color: rgb(0, 230,  
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](#).

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