

Converting Colors

XYZ(28.9230, 45.3439, 34.9989)

Have a look what the booklet for
XYZ(28.9230, 45.3439, 34.9989)
contains.

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Color

**XYZ(28.9008, 45.2963,
34.8236)**

Conversions

Conversions Part 1

Format	Color
Hex	49C993
RGB	73, 201, 147
RGB Percent	29%, 79%, 58%
CMY	0.7137, 0.2118, 0.4235
CMYK	0.64, 0.00, 0.27, 0.21
HSL	155°, 54%, 54%
HSV	155°, 64%, 79%
XYZ	28.9008, 45.2963, 34.8236
YIQ	156.5720, -58.9540, -43.9300

Conversions

Conversions Part 2

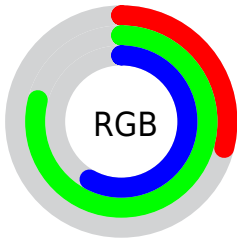
Format	Color
RYB	73, 154, 201
Decimal	4835731
CIELab	73.09, -47.77, 16.82
CIElCh	73, 50.647, 160.598
Yxy	45.2963, 0.2651, 0.4155
Android (android.graphics.Color)	4283025811 (0xFF49C993)
YUV	156.5720, -4.7190, -73.2926
Hunter-Lab	67.3025, -41.1286, 16.4340

Details

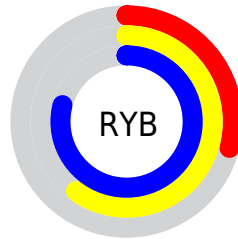
The XYZ color **28.9008, 45.2963, 34.8236** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.3023, 18.7161, 22.0962**, and the grayscale version is **31.8963, 33.5574, 36.5440**.

A 20% lighter version of the original color is **56.1341, 80.8054, 67.8968**, and **12.3902, 21.4023, 14.5444** is the 20% darker color. If you saturate the color by 10%, you get **26.9759, 44.3792, 31.3876**, and if you desaturate by 10%, it is **31.3692, 46.4902, 38.5432**.

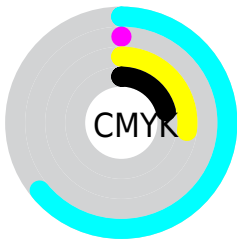
Distribution



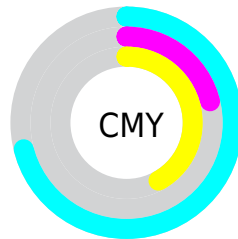
- Red (29%)
- Green (79%)
- Blue (58%)



- Red (29%)
- Yellow (60%)
- Blue (79%)



- Cyan (64%)
- Magenta (0%)
- Yellow (27%)
- Black (21%)





- Cyan (71%)
- Magenta (21%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9008, 45.2963, 34.8236 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 28.9008, 45.2963, 34.8236 by changing the saturation by 10% instead.


 28.9008, 45.2963,
34.8236


 28.9008, 45.2963,
34.8236


288.7493,
367.9723, 338.6696


 19.1497, 31.6909,
23.2446


 57.3181, 83.1649,
68.3609


 11.8831, 21.1255,
14.5672


 76.7150, 108.1968,
91.1562

 6.7358, 13.2158,
8.3730


 100.0579,
137.8063, 118.5273

 3.3423, 7.5773,
4.2433

 127.7121,
172.3779, 150.8929

 1.3372, 3.8257,
1.7598

160.0429,
212.2959, 188.6713

 0.2108, 1.5765,
0.4012

197.4159,

 0.0000, 0.3417,

257.9447, 232.2812

0.0000

240.1962,
309.7087, 282.1411

■ 0.0000, 0.0000,
0.0000

■ 28.9008, 45.2963,
34.8236

■ 28.9008, 45.2963,
34.8236

■ 26.9759, 44.3792,
31.3876

■ 31.3692, 46.4902,
38.5432

■ 25.5404, 43.7078,
28.2241

■ 34.4213, 47.9781,
42.5505

■ 24.5348, 43.2525,
25.3257

■ 38.0975, 49.7819,
46.8537

■ 24.0516, 43.0405,
23.6247

■ 42.4335, 51.9197,
51.4593

■ 47.4622, 54.4085,
56.3739

■ 53.2142, 57.2640,
61.6035

■ 59.7182, 60.5008,
67.1542

■ 67.0014, 64.1328,
73.0317

■ 75.0895, 68.1734,
79.2417

Harmonies

Analogous

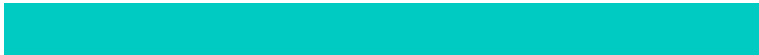
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8912, 45.2963, 20.7763



28.9008, 45.2963, 34.8236



28.3851, 45.2963, 58.8485

Triad

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



28.9008, 45.2963, 34.8236



46.2626, 45.2963, 114.4982



57.3262, 45.2963, 23.8963

Complementary

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



28.9008, 45.2963, 34.8236



30.3023, 18.7161, 22.0962

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.



62.0623, 45.2963, 40.8798



28.9008, 45.2963, 34.8236



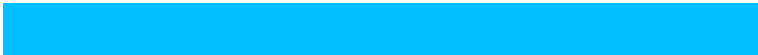
55.1174, 45.2963, 96.4130

Square

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



28.9008, 45.2963, 34.8236



37.6382, 45.2963, 111.1335



61.2027, 45.2963, 67.3667



48.9633, 45.2963, 16.1307

Rectangle

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



28.9008, 45.2963, 34.8236



29.9912, 45.2963, 78.5555



61.2027, 45.2963, 67.3667



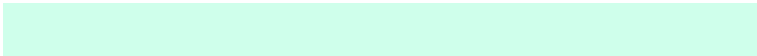
59.4438, 45.2963, 28.4209

Sweetspot

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



28.9020, 45.2981, 34.8246



76.2984, 90.6934, 91.7482



31.0632, 46.8817, 13.7160



15.8119, 19.1554, 19.1223



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.



28.9020, 45.2981, 34.8246



45.2627, 75.5448, 51.8519



32.2440, 43.5399, 61.9650



10.7502, 11.9890, 12.6347



15.1687, 27.0799, 15.0991



0.7539, 1.2965, 0.9025

Inverse Universe

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



30.3023, 18.7161, 22.0962



47.8745, 26.6009, 28.5828



28.2736, 18.8642, 8.4551



10.8164, 10.7100, 12.0165



16.2148, 8.2355, 6.3412



0.8038, 0.4044, 0.4899

Previews

White Background



This preview shows how the XYZ color 28.9008, 45.2963, 34.8236 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 28.9008, 45.2963, 34.8236 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

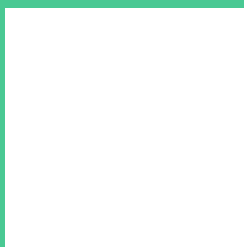
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9008, 45.2963, 34.8236

Background



This preview shows how black text looks on a background with the XYZ color 28.9008, 45.2963, 34.8236.

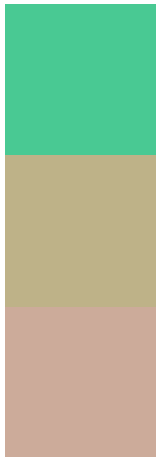


This preview shows how white text looks on a background with the XYZ color 28.9008, 45.2963,

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

28.9008, 45.2963, 34.8236

Protanopia

41.5995, 44.5655, 29.7020

Deuteranopia

45.2975, 44.2963, 36.7345



Tritanopia

35.2979, 45.1763, 67.1811

Trichromacy



Original Color

28.9008, 45.2963, 34.8236



Protanomaly

34.3252, 43.2143, 31.3430



Deuteranomaly

36.0242, 42.7582, 35.6326



Tritanomaly

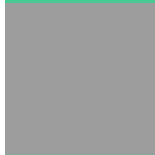
32.5333, 45.0513, 53.4355

Monochromacy



Original Color

28.9008, 45.2963, 34.8236



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.2975, 36.6227, 35.6617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9008, 45.2963, 34.8236 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(73, 201, 147)` looks like.

```
.text, #text, p{  
    color:rgb(73, 201, 147)  
}
```

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(73, 201, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 201, 147) }
```

Border

The CSS property to change the border of an element to XYZ 28.9008, 45.2963, 34.8236 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(73, 201, 147) }
```


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

```
.border{ border-color:rgb(73, 201, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 201, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 201, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 201, 147);  
box-shadow:4px 4px 4px 4px rgb(73, 201,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9008, 45.2963, 34.8236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 201, 147) }
```

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

```
.background{ background-color: rgb(73, 201,  
147) }
```

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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