

Converting Colors

XYZ(28.2485, 44.6775, 30.6214)

Have a look what the booklet for
XYZ(28.2485, 44.6775, 30.6214)
contains.

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Color

**XYZ(28.3115, 44.7344,
30.8093)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4EC889 |
| RGB | 78, 200, 137 |
| RGB Percent | 31%, 78%, 54% |
| CMY | 0.6941, 0.2157, 0.4627 |
| CMYK | 0.61, 0.00, 0.32, 0.22 |
| HSL | 149°, 53%, 55% |
| HSV | 149°, 61%, 78% |
| XYZ | 28.3115, 44.7344, 30.8093 |
| YIQ | 156.3400, -52.4890, -45.4570 |

Conversions

Conversions Part 2

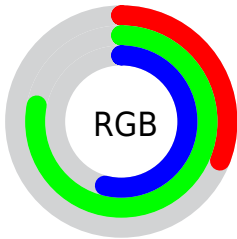
| Format | Color |
|-------------------------------------|---|
| RYB | 78, 160, 200 |
| Decimal | 5163145 |
| CIELab | 72.72, -48.48, 21.66 |
| CIELCh | 73, 53.096, 155.927 |
| Yxy | 44.7344, 0.2726, 0.4307 |
| Android (android.graphics.Color) | 4283353225 (0xFF4EC889) |
| YUV | 156.3400, -9.5346, -68.7042 |
| Hunter-Lab | 66.8838, -41.4886, 19.5073 |

Details

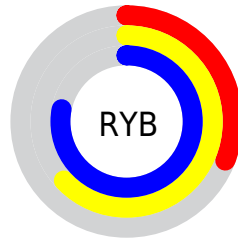
The XYZ color **28.3115, 44.7344, 30.8093** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.3530, 19.6522, 27.3417**, and the grayscale version is **31.8109, 33.4676, 36.4462**.

A 20% lighter version of the original color is **55.6452, 80.6849, 61.9311**, and **11.8457, 20.9389, 12.4341** is the 20% darker color. If you saturate the color by 10%, you get **26.2097, 43.7336, 27.0274**, and if you desaturate by 10%, it is **30.9848, 46.0240, 34.9902**.

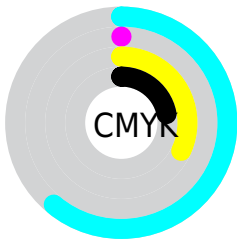
Distribution



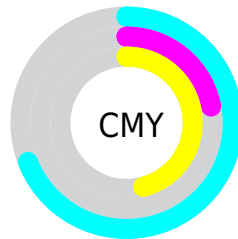
- Red (31%)
- Green (78%)
- Blue (54%)



- Red (31%)
- Yellow (63%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)



- Cyan (69%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3115, 44.7344, 30.8093 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 28.3115, 44.7344, 30.8093 by changing the saturation by 10% instead.

■ 28.3115, 44.7344,
30.8093

■ 28.3115, 44.7344,
30.8093

286.0056,
365.6968, 319.9827

■ 18.7023, 31.2483,
20.1964

■ 56.3866, 82.3217,
62.0158

■ 11.5581, 20.7880,
12.3524

■ 75.5831, 107.1917,
83.4464

■ 6.5136, 12.9691,
6.8587

■ 98.7061, 136.6251,
109.3201

■ 3.2034, 7.4073,
3.2968

■ 126.1209,
171.0062, 140.0554

■ 1.2622, 3.7181,
1.2481

158.1929,
210.7196, 176.0707

■ 0.1547, 1.5171,
0.0187

195.2874,

■ 0.0000, 0.3008,

256.1496, 217.7847

0.0000

237.7699,
307.6805, 265.6159

■ 0.0000, 0.0000,
0.0000

■ 28.3115, 44.7344,
30.8093

■ 28.3115, 44.7344,
30.8093

■ 26.2097, 43.7336,
27.0274

■ 30.9848, 46.0240,
34.9902

■ 24.6270, 42.9913,
23.6287

■ 34.2689, 47.6188,
39.5790

■ 23.5070, 42.4798,
20.6008

■ 38.2035, 49.5404,
44.5879

■ 22.7998, 42.1681,
18.1788

■ 42.8239, 51.8067,
50.0280

■ 48.1628, 54.4343,
55.9096

■ 54.2505, 57.4388,
62.2428

■ 61.1158, 60.8347,
69.0373

■ 68.7858, 64.6359,
76.3025

■ 76.1718, 68.2809,
83.9953

Harmonies

Analogous

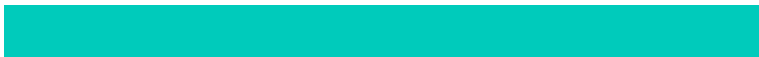
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9504, 44.7344, 18.0979



28.3115, 44.7344, 30.8093



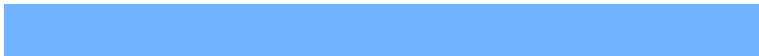
27.2233, 44.7344, 54.1355

Triad

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



28.3115, 44.7344, 30.8093



44.3738, 44.7344, 118.5840



58.5335, 44.7344, 24.5966

Complementary

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



28.3115, 44.7344, 30.8093



31.3530, 19.6522, 27.3417

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.



62.6799, 44.7344, 43.6562



28.3115, 44.7344, 30.8093



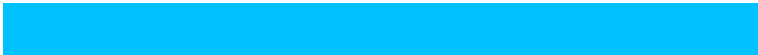
53.7802, 44.7344, 102.4091

Square

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



28.3115, 44.7344, 30.8093



35.6957, 44.7344, 111.2474



60.8259, 44.7344, 72.4662



50.1600, 44.7344, 15.5238

Rectangle

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



28.3115, 44.7344, 30.8093



28.4965, 44.7344, 74.4213



60.8259, 44.7344, 72.4662



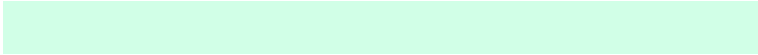
60.5190, 44.7344, 29.7266

Sweetspot

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



28.3127, 44.7362, 30.8103



76.5486, 90.8762, 89.3278



33.0210, 47.5262, 14.6413



15.8305, 19.1789, 18.4947



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.



28.3127, 44.7362, 30.8103



44.4505, 75.2785, 44.9299



33.9868, 47.0059, 60.6898



10.7076, 11.9719, 12.4103



14.5412, 26.8289, 11.7946



0.7251, 1.2850, 0.7510

Inverse Universe

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



31.3530, 19.6522, 27.3417



50.1485, 28.2136, 38.3896



27.9942, 18.3087, 9.6548



10.8587, 10.7269, 12.2392



16.7563, 8.4521, 9.1927



0.8299, 0.4148, 0.6274

Previews

White Background



This preview shows how the XYZ color 28.3115, 44.7344, 30.8093 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 28.3115, 44.7344, 30.8093 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

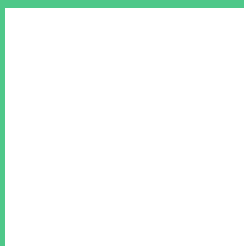
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3115, 44.7344, 30.8093

Background



This preview shows how black text looks on a background with the XYZ color 28.3115, 44.7344, 30.8093.



This preview shows how white text looks on a background with the XYZ color 28.3115, 44.7344,

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

28.3115, 44.7344, 30.8093

Protanopia

41.0388, 44.0530, 26.4188

Deuteranopia

44.8624, 43.8849, 32.4917



Tritanopia

35.1488, 44.4759, 65.7637

Trichromacy



Original Color

28.3115, 44.7344, 30.8093



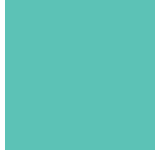
Protanomaly

34.0234, 42.8206, 27.9447



Deuteranomaly

35.6297, 42.3418, 31.4942



Tritanomaly

32.1489, 44.2363, 51.1000

Monochromacy



Original Color

28.3115, 44.7344, 30.8093



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.0794, 36.2642, 33.9008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3115, 44.7344, 30.8093 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(78, 200, 137)` looks like.

```
.text, #text, p{  
    color:rgb(78, 200, 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(78, 200, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 200, 137) }
```

Border

The CSS property to change the border of an element to XYZ 28.3115, 44.7344, 30.8093 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(78, 200, 137) }
```


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

```
.border{ border-color:rgb(78, 200, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 200, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 200, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 200, 137);  
box-shadow:4px 4px 4px 4px rgb(78, 200,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3115, 44.7344, 30.8093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 200, 137) }
```

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

```
.background{ background-color: rgb(78, 200,  
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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