

Converting Colors

XYZ(28.1689, 44.3057, 29.7517)

Have a look what the booklet for
XYZ(28.1689, 44.3057, 29.7517)
contains.

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Color

**XYZ(28.2062, 44.3619,
29.6303)**

Conversions

Conversions Part 1

Format	Color
Hex	52C786
RGB	82, 199, 134
RGB Percent	32%, 78%, 53%
CMY	0.6784, 0.2196, 0.4745
CMYK	0.59, 0.00, 0.33, 0.22
HSL	147°, 51%, 55%
HSV	147°, 59%, 78%
XYZ	28.2062, 44.3619, 29.6303
YIQ	156.6070, -48.8670, -45.0190

Conversions

Conversions Part 2

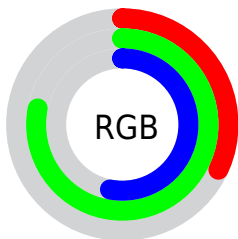
Format	Color
RYB	82, 163, 199
Decimal	5425030
CIELab	72.47, -47.83, 22.93
CIELCh	72, 53.040, 154.387
Yxy	44.3619, 0.2760, 0.4341
Android (android.graphics.Color)	4283615110 (0xFF52C786)
YUV	156.6070, -11.1453, -65.4303
Hunter-Lab	66.6047, -40.9659, 20.2471

Details

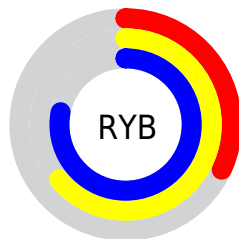
The XYZ color **28.2062, 44.3619, 29.6303** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.8384, 20.2843, 29.8428**, and the grayscale version is **31.9365, 33.5997, 36.5900**.

A 20% lighter version of the original color is **55.8216, 80.8136, 60.2334**, and **11.5735, 20.5866, 11.7511** is the 20% darker color. If you saturate the color by 10%, you get **25.9890, 43.3046, 25.7100**, and if you desaturate by 10%, it is **31.0081, 45.7137, 34.0008**.

Distribution



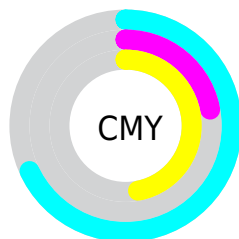
- Red (32%)
- Green (78%)
- Blue (53%)



- Red (32%)
- Yellow (64%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (68%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2062, 44.3619, 29.6303 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 28.2062, 44.3619, 29.6303 by changing the saturation by 10% instead.

 28.2062, 44.3619,
29.6303


 28.2062, 44.3619,
29.6303


285.5131,
364.1831, 314.3309


 18.6224, 30.9551,
19.3085


 56.2198, 81.7620,
60.1311


 11.5001, 20.5647,
11.7143


 75.3804, 106.5242,
81.1472

 6.4741, 12.8062,
6.4293


 98.4639, 135.8402,
106.5651

 3.1788, 7.2952,
3.0349

 125.8357,
170.0946, 136.8033

 1.2490, 3.6474,
1.1125

157.8611,
209.6717, 172.2805

 0.1445, 1.4783,
0.0000

194.9056,

 0.0000, 0.2734,

254.9559, 213.4151

0.0000

237.3345,
306.3315, 260.6257

■ 0.0000, 0.0000,
0.0000

■ 28.2062, 44.3619,
29.6303

■ 28.2062, 44.3619,
29.6303

■ 25.9890, 43.3046,
25.7100

■ 31.0081, 45.7137,
34.0008

■ 24.3059, 42.5124,
22.2218

■ 34.4329, 47.3759,
38.8327

■ 23.1026, 41.9588,
19.1505

■ 38.5196, 49.3694,
44.1406

■ 22.2903, 41.5984,
16.4779

■ 43.3028, 51.7119,
49.9375

■ 22.2041, 41.5604,
16.1809

■ 48.8148, 54.4197,
56.2358

■ 55.0855, 57.5081,
63.0476

■ 62.1434, 60.9915,
70.3843

■ 70.0153, 64.8835,
78.2572

■ 76.4446, 68.0206,
86.5702

Harmonies

Analogous

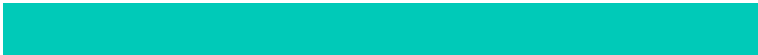
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9881, 44.3619, 17.5112



28.2062, 44.3619, 29.6303



26.9425, 44.3619, 52.2599

Triad

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



28.2062, 44.3619, 29.6303



43.5247, 44.3619, 117.9747



58.4144, 44.3619, 25.0676

Complementary

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



28.2062, 44.3619, 29.6303



31.8384, 20.2843, 29.8428

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.



62.2524, 44.3619, 44.5502



28.2062, 44.3619, 29.6303



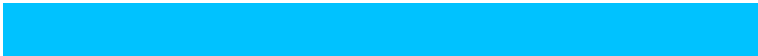
52.9023, 44.3619, 102.9588

Square

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



28.2062, 44.3619, 29.6303



35.0070, 44.3619, 109.4749



60.1028, 44.3619, 73.5236



50.2370, 44.3619, 15.6239

Rectangle

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



28.2062, 44.3619, 29.6303



28.0846, 44.3619, 72.2373



60.1028, 44.3619, 73.5236



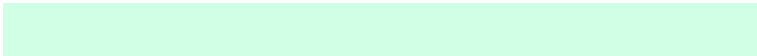
60.3046, 44.3619, 30.3418

Sweetspot

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



28.2074, 44.3637, 29.6313



76.2955, 90.7750, 87.9951



34.2150, 47.7819, 15.4027



15.7690, 19.1543, 18.1709



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.



28.2074, 44.3637, 29.6313



44.4475, 75.3208, 42.9490



33.3305, 46.4130, 56.6096



10.6901, 11.9649, 12.3180



14.3199, 26.7403, 10.6289



0.7144, 1.2807, 0.6945

Inverse Universe

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



31.8384, 20.2843, 29.8428



51.3777, 29.2278, 43.2522



28.4087, 18.9124, 11.7821



10.8764, 10.7339, 12.3323



17.0193, 8.5573, 10.5774



0.8419, 0.4196, 0.6907

Previews

White Background



This preview shows how the XYZ color 28.2062, 44.3619, 29.6303 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 28.2062, 44.3619, 29.6303 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

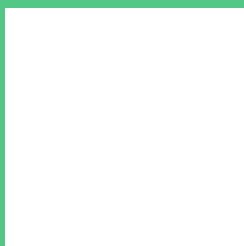
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2062, 44.3619, 29.6303

Background



This preview shows how black text looks on a background with the XYZ color 28.2062, 44.3619, 29.6303.

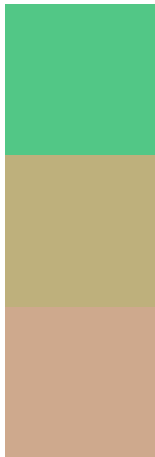


This preview shows how white text looks on a background with the XYZ color 28.2062, 44.3619,

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

28.2062, 44.3619, 29.6303

Protanopia

40.3986, 43.4531, 25.3268

Deuteranopia

44.4493, 43.4208, 31.2376



Tritanopia

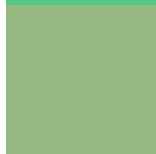
35.1418, 44.1777, 64.4326

Trichromacy



Original Color

28.2062, 44.3619, 29.6303



Protanomaly

33.7993, 42.4188, 26.8283



Deuteranomaly

35.6066, 42.0546, 30.2854



Tritanomaly

32.0305, 43.8814, 49.4296

Monochromacy



Original Color

28.2062, 44.3619, 29.6303



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.3833, 36.4208, 33.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2062, 44.3619, 29.6303 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(82, 199, 134)` looks like.

```
.text, #text, p{  
    color:rgb(82, 199, 134)  
}
```

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(82, 199, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 199, 134) }
```

Border

The CSS property to change the border of an element to XYZ 28.2062, 44.3619, 29.6303 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(82, 199, 134) }
```


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

```
.border{ border-color:rgb(82, 199, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 199, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 199, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 199, 134);  
box-shadow:4px 4px 4px 4px rgb(82, 199,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2062, 44.3619, 29.6303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 199, 134) }
```

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

```
.background{ background-color: rgb(82, 199,  
134) }
```

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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