

Converting Colors

XYZ(28.0058, 43.8716, 41.3689)

Have a look what the booklet for
XYZ(28.0058, 43.8716, 41.3689)
contains.

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Color

**XYZ(28.0717, 44.0363,
41.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC7A2
RGB	46, 199, 162
RGB Percent	18%, 78%, 64%
CMY	0.8196, 0.2196, 0.3647
CMYK	0.77, 0.00, 0.19, 0.22
HSL	165°, 62%, 48%
HSV	165°, 77%, 78%
XYZ	28.0717, 44.0363, 41.2027
YIQ	149.0350, -79.3110, -43.9430

Conversions

Conversions Part 2

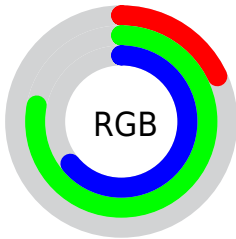
Format	Color
RYB	46, 133, 199
Decimal	3065762
CIELab	72.25, -47.42, 7.50
CIElCh	72, 48.013, 171.015
Yxy	44.0363, 0.2477, 0.3886
Android (android.graphics.Color)	4281255842 (0xFF2EC7A2)
YUV	149.0350, 6.3917, -90.3617
Hunter-Lab	66.3599, -40.6203, 9.6389

Details

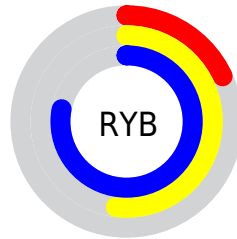
The XYZ color **28.0717, 44.0363, 41.2027** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.0930, 14.7218, 9.6518**, and the grayscale version is **28.5811, 30.0695, 32.7457**.

A 20% lighter version of the original color is **55.4868, 80.2428, 78.2096**, and **12.7877, 21.0723, 18.1452** is the 20% darker color. If you saturate the color by 10%, you get **26.9548, 43.5101, 38.9605**, and if you desaturate by 10%, it is **29.6226, 44.7865, 43.5527**.

Distribution



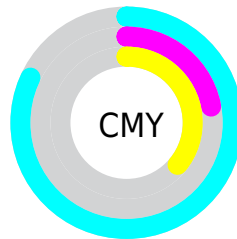
- Red (18%)
- Green (78%)
- Blue (64%)



- Red (18%)
- Yellow (52%)
- Blue (78%)



- Cyan (77%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)




- Cyan (82%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0717, 44.0363, 41.2027 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 28.0717, 44.0363, 41.2027 by changing the saturation by 10% instead.


 28.0717, 44.0363,
41.2027


 28.0717, 44.0363,
41.2027


284.8832,
362.8564, 366.8688


 18.5204, 30.6990,
28.1566


 56.0067, 81.2724,
78.2485


 11.4262, 20.3698,
18.2037


 75.1212, 105.9400,
103.0853


 6.4237, 12.6641,
10.9254


 98.1542, 135.1531,
132.6894

 3.1475, 7.1977,
5.9031

 125.4709,
169.2963, 167.4794

 1.2322, 3.5860,
2.7184

 157.4369,
208.7538, 207.8738

 0.1316, 1.4448,
0.9527

194.4173,

 0.0000, 0.2494,

253.9100, 254.2911

0.0000

236.7777,
305.1494, 307.1500

■ 0.0000, 0.0000,
0.0000

■ 28.0717, 44.0363,
41.2027

■ 28.0717, 44.0363,
41.2027

■ 26.9548, 43.5101,
38.9605

■ 29.6226, 44.7865,
43.5527

■ 26.2002, 43.1677,
36.8187

■ 31.6549, 45.7819,
46.0107

■ 25.9999, 43.0786,
36.1696

■ 34.2135, 47.0467,
48.5806

■ 37.3372, 48.6008,
51.2653

■ 41.0610, 50.4624,
54.0671

■ 45.4171, 52.6478,
56.9885

■ 50.4352, 55.1726,
60.0317

■ 56.1433, 58.0511,
63.1990

■ 62.5676, 61.2967,
66.4923

Harmonies

Analogous

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



30.7052, 44.0363, 24.6865



28.0717, 44.0363, 41.2027



28.7355, 44.0363, 66.1359

Triad

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



28.0717, 44.0363, 41.2027



47.7996, 44.0363, 104.0234



52.6385, 44.0363, 20.6131

Complementary

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



28.0717, 44.0363, 41.2027



26.0930, 14.7218, 9.6518

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.



58.4610, 44.0363, 33.4437



28.0717, 44.0363, 41.2027



55.4224, 44.0363, 82.5468

Square

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



28.0717, 44.0363, 41.2027



39.4284, 44.0363, 108.2039



59.5417, 44.0363, 55.3921



44.3796, 44.0363, 15.6374

Rectangle

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



28.0717, 44.0363, 41.2027



30.9996, 44.0363, 84.3281



59.5417, 44.0363, 55.3921



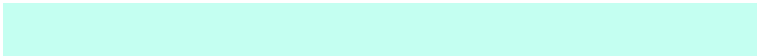
54.9885, 44.0363, 23.9039

Sweetspot

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



28.0729, 44.0380, 41.2037



74.4658, 89.6426, 96.4528



24.5966, 42.9423, 9.5778



15.3695, 18.9019, 20.2490



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.



28.0729, 44.0380, 41.2037



46.2801, 75.7623, 65.7694



24.1382, 30.1086, 58.5741



10.8328, 12.0220, 13.0698



16.7538, 27.7139, 23.4459



0.8204, 1.3231, 1.2531

Inverse Universe

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



26.0930, 14.7218, 9.6518



42.8417, 22.3123, 9.0953



27.2376, 18.7204, 4.7633



10.7373, 10.6783, 11.5998



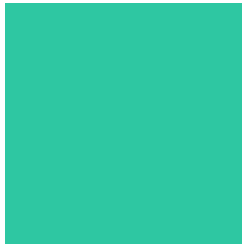
15.5193, 7.9573, 2.6784



0.7644, 0.3886, 0.2827

Previews

White Background



This preview shows how the XYZ color 28.0717, 44.0363, 41.2027 looks on a white background.

Color Contrast Check

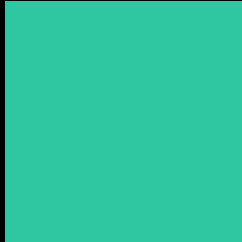
Large Text (above 18pt) WCAG AA × Fail

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 28.0717, 44.0363, 41.2027 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

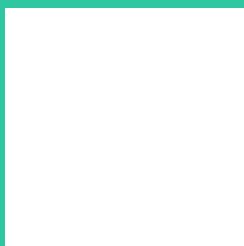
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0717, 44.0363, 41.2027

Background



This preview shows how black text looks on a background with the XYZ color 28.0717, 44.0363, 41.2027.

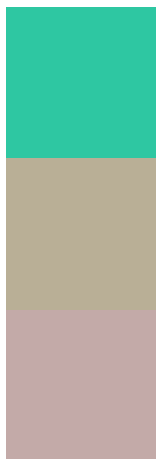


This preview shows how white text looks on a background with the XYZ color 28.0717, 44.0363,

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

28.0717, 44.0363, 41.2027

Protanopia

40.8426, 43.1762, 35.0354

Deuteranopia

43.9483, 43.1787, 43.0638



Tritanopia

33.2028, 44.1105, 66.4387

Trichromacy



Original Color

28.0717, 44.0363, 41.2027



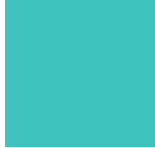
Protanomaly

32.8047, 41.6824, 36.8884



Deuteranomaly

34.3913, 41.4636, 42.2671



Tritanomaly

30.9690, 43.8486, 56.1216

Monochromacy



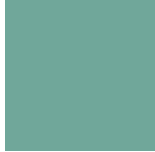
Original Color

28.0717, 44.0363, 41.2027



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.3335, 33.4153, 35.6337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0717, 44.0363, 41.2027 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(46, 199, 162)` looks like.

```
.text, #text, p{  
    color:rgb(46, 199, 162)  
}
```

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(46, 199, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 199, 162) }
```

Border

The CSS property to change the border of an element to XYZ 28.0717, 44.0363, 41.2027 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(46, 199, 162) }
```


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

```
.border{ border-color:rgb(46, 199, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 199, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 199, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 199, 162);  
box-shadow:4px 4px 4px 4px rgb(46, 199,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0717, 44.0363, 41.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 199, 162) }
```

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

```
.background{ background-color: rgb(46, 199,  
162) }
```

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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