

Converting Colors

XYZ(28.7164, 45.0460, 41.8315)

Have a look what the booklet for
XYZ(28.7164, 45.0460, 41.8315)
contains.

XYZ(28.7164, 45.0460, 41.8316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7164, 45.0460,
41.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	30C9A3
RGB	48, 201, 163
RGB Percent	19%, 79%, 64%
CMY	0.8117, 0.2118, 0.3608
CMYK	0.76, 0.00, 0.19, 0.21
HSL	165°, 61%, 49%
HSV	165°, 76%, 79%
XYZ	28.7164, 45.0460, 41.8316
YIQ	150.9210, -78.9900, -44.2540

Conversions

Conversions Part 2

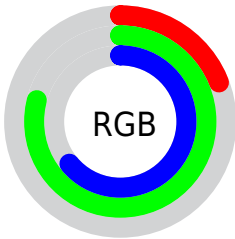
Format	Color
RYB	48, 135, 201
Decimal	3197347
CIELab	72.92, -47.78, 7.92
CIElCh	73, 48.431, 170.587
Yxy	45.0460, 0.2484, 0.3897
Android (android.graphics.Color)	4281387427 (0xFF30C9A3)
YUV	150.9210, 5.9549, -90.2617
Hunter-Lab	67.1163, -41.0805, 10.0277

Details

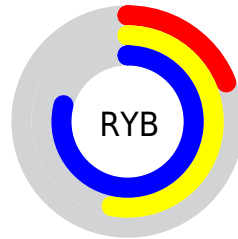
The XYZ color **28.7164, 45.0460, 41.8316** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.8255, 15.2044, 10.3267**, and the grayscale version is **29.3825, 30.9127, 33.6640**.

A 20% lighter version of the original color is **55.8861, 80.4335, 78.9094**, and **13.1481, 21.7055, 18.5355** is the 20% darker color. If you saturate the color by 10%, you get **27.5361, 44.4893, 39.4879**, and if you desaturate by 10%, it is **30.3461, 45.8345, 44.2905**.

Distribution



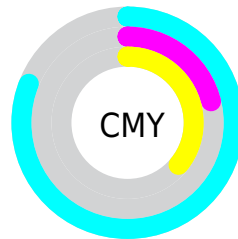
- Red (19%)
- Green (79%)
- Blue (64%)



- Red (19%)
- Yellow (53%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)




- Cyan (81%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7164, 45.0460, 41.8316 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 28.7164, 45.0460, 41.8316 by changing the saturation by 10% instead.


 28.7164, 45.0460,
41.8316


 28.7164, 45.0460,
41.8316


287.8929,
366.9598, 369.5634


 19.0096, 31.4937,
28.6449


 57.0269, 82.7894,
79.2120


 11.7813, 20.9750,
18.5691


 76.3613, 107.7493,
104.2428


 6.6660, 13.1058,
11.1857


 99.6355, 137.2805,
134.0587

 3.2986, 7.5014,
6.0761

 127.2151,
171.7674, 169.0782

 1.3136, 3.7776,
2.8219

 159.4652,
211.5944, 209.7199

 0.1933, 1.5500,
1.0044

196.7513,

 0.0000, 0.3235,

257.1458, 256.4023

0.0000

239.4388,
308.8062, 309.5440

■ 0.0000, 0.0000,
0.0000

■ 28.7164, 45.0460,
41.8316

■ 28.7164, 45.0460,
41.8316

■ 27.5361, 44.4893,
39.4879

■ 30.3461, 45.8345,
44.2905

■ 26.7363, 44.1256,
37.2522

■ 32.4731, 46.8763,
46.8650

■ 26.4796, 44.0117,
36.4108

■ 35.1430, 48.1958,
49.5591

■ 38.3953, 49.8134,
52.3757

■ 42.2655, 51.7475,
55.3175

■ 46.7865, 54.0149,
58.3869

■ 51.9887, 56.6313,
61.5864

■ 57.9005, 59.6113,
64.9182

■ 64.5487, 62.9688,
68.3845

Harmonies

Analogous

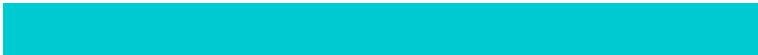
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.4600, 45.0460, 25.0594



28.7164, 45.0460, 41.8316



29.3477, 45.0460, 67.2747

Triad

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



28.7164, 45.0460, 41.8316



48.7792, 45.0460, 106.6966



53.9681, 45.0460, 21.1876

Complementary

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



28.7164, 45.0460, 41.8316



26.8255, 15.2044, 10.3267

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.



59.8765, 45.0460, 34.4513



28.7164, 45.0460, 41.8316



56.6180, 45.0460, 84.8731

Square

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



28.7164, 45.0460, 41.8316



40.2150, 45.0460, 110.6781



60.9052, 45.0460, 57.0487



45.5244, 45.0460, 15.9978

Rectangle

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



28.7164, 45.0460, 41.8316



31.6344, 45.0460, 85.9296



60.9052, 45.0460, 57.0487



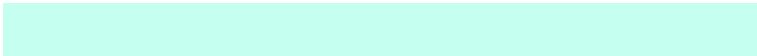
56.3607, 45.0460, 24.5958

Sweetspot

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



28.7177, 45.0478, 41.8327



74.4086, 89.6198, 96.1519



25.2824, 43.9789, 9.9533



15.3555, 18.8963, 20.1754



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.



28.7177, 45.0478, 41.8327



46.2319, 75.7495, 65.2262



24.8158, 30.9529, 59.9269



10.8298, 12.0208, 13.0538



16.6869, 27.6871, 23.0935



0.8177, 1.3220, 1.2389

Inverse Universe

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



26.8255, 15.2044, 10.3267



43.0152, 22.4587, 9.7714



27.9701, 19.3279, 5.0535



10.7401, 10.6794, 11.6148



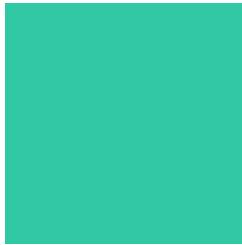
15.5374, 7.9645, 2.7740



0.7657, 0.3891, 0.2894

Previews

White Background



This preview shows how the XYZ color 28.7164, 45.0460, 41.8316 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 28.7164, 45.0460, 41.8316 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

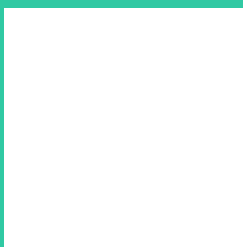
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7164, 45.0460, 41.8316

Background



This preview shows how black text looks on a background with the XYZ color 28.7164, 45.0460, 41.8316.



This preview shows how white text looks on a background with the XYZ color 28.7164, 45.0460,

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

28.7164, 45.0460, 41.8316

Protanopia

41.8016, 44.2434, 35.6148

Deuteranopia

45.0130, 43.9962, 43.6558



Tritanopia

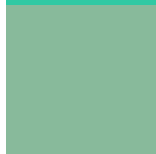
33.9720, 45.1392, 67.8950

Trichromacy



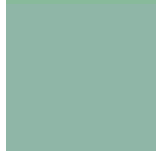
Original Color

28.7164, 45.0460, 41.8316



Protanomaly

33.6286, 42.7186, 37.4834



Deuteranomaly

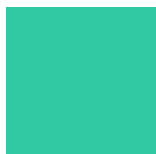
35.0307, 42.0856, 42.8362



Tritanomaly

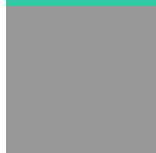
31.7719, 44.9066, 57.4454

Monochromacy



Original Color

28.7164, 45.0460, 41.8316



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.0438, 34.3199, 36.2094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7164, 45.0460, 41.8316 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(48, 201, 163)` looks like.

```
.text, #text, p{  
    color:rgb(48, 201, 163)  
}
```

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(48, 201, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 201, 163) }
```

Border

The CSS property to change the border of an element to XYZ 28.7164, 45.0460, 41.8316 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(48, 201, 163) }
```


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

```
.border{ border-color:rgb(48, 201, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 201, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 201, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 201, 163);  
box-shadow:4px 4px 4px 4px rgb(48, 201,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7164, 45.0460, 41.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 201, 163) }
```

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

```
.background{ background-color: rgb(48, 201,  
163) }
```

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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