

Converting Colors

XYZ(28.3453, 45.5409, 42.4183)

Have a look what the booklet for
XYZ(28.3453, 45.5409, 42.4183)
contains.

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Color

**XYZ(28.3453, 45.5409,
42.4183)**

Conversions

Conversions Part 1

Format	Color
Hex	14CBA4
RGB	20, 203, 164
RGB Percent	8%, 80%, 64%
CMY	0.9215, 0.2039, 0.3569
CMYK	0.90, 0.00, 0.19, 0.20
HSL	167°, 82%, 44%
HSV	167°, 90%, 80%
XYZ	28.3453, 45.5409, 42.4183
YIQ	143.8370, -96.5490, -50.9250

Conversions

Conversions Part 2

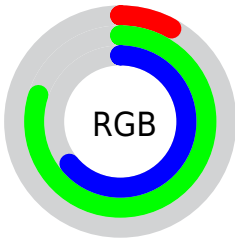
Format	Color
R_{YB}	20, 122, 203
Decimal	1362852
CIE _{Lab}	73.25, -50.63, 7.80
CIE _{LCh}	73, 51.227, 171.238
Yxy	45.5409, 0.2437, 0.3916
Android (android.graphics.Color)	4279552932 (0xFF14CBA4)
YUV	143.8370, 9.9404, -108.6050
Hunter-Lab	67.4840, -43.1217, 9.9710

Details

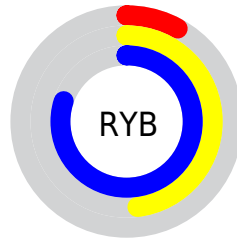
The XYZ color **28.3453, 45.5409, 42.4183** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.6699, 13.5140, 5.3961**, and the grayscale version is **26.4357, 27.8124, 30.2877**.

A 20% lighter version of the original color is **54.4900, 79.6986, 79.5293**, and **13.5145, 22.3497, 18.9309** is the 20% darker color. If you saturate the color by 10%, you get **27.6786, 45.2421, 40.4099**, and if you desaturate by 10%, it is **29.3428, 46.0103, 44.5408**.

Distribution



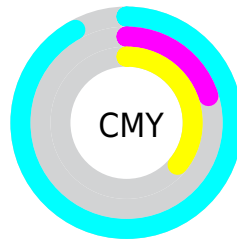
- Red (8%)
- Green (80%)
- Blue (64%)



- Red (8%)
- Yellow (48%)
- Blue (80%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (92%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3453, 45.5409, 42.4183 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 28.3453, 45.5409, 42.4183 by changing the saturation by 10% instead.


 28.3453, 45.5409,
42.4183


 28.3453, 45.5409,
42.4183


286.1635,
368.9598, 372.0647


 18.7279, 31.8837,
29.1010


 56.4401, 83.5315,
80.1092


 11.5767, 21.2727,
18.9110


 75.6481, 108.6337,
105.3199


 6.5263, 13.3235,
11.4298


 98.7838, 138.3196,
135.3321

 3.2113, 7.6517,
6.2389

 126.2124,
172.9737, 170.5643

 1.2665, 3.8729,
2.9198

 158.2993,
212.9804, 211.4352

 0.1579, 1.6027,
1.0538

195.4099,

 0.0000, 0.3594,

258.7241, 258.3632

0.0000

237.9095,
310.5891, 311.7668

■ 0.0000, 0.0000,
0.0000

■ 28.3453, 45.5409,
42.4183

■ 28.3453, 45.5409,
42.4183

■ 27.6786, 45.2421,
40.4099

■ 29.3428, 46.0103,
44.5408

■ 30.7674, 46.6972,
46.7524

■ 32.6773, 47.6328,
49.0575

■ 35.1206, 48.8417,
51.4589

■ 38.1394, 50.3458,
53.9593

■ 41.7717, 52.1645,
56.5611

■ 46.0520, 54.3156,
59.2665

■ 51.0124, 56.8157,
62.0776

■ 56.6827, 59.6801,
64.9965

Harmonies

Analogous

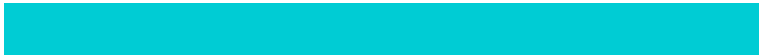
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1531, 45.5409, 24.5936



28.3453, 45.5409, 42.4183



29.0851, 45.5409, 69.7764

Triad

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



28.3453, 45.5409, 42.4183



49.8563, 45.5409, 111.5526



55.0396, 45.5409, 20.1268

Complementary

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



28.3453, 45.5409, 42.4183



25.6699, 13.5140, 5.3961

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.



61.4866, 45.5409, 33.7231



28.3453, 45.5409, 42.4183



58.2176, 45.5409, 87.5047

Square

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



28.3453, 45.5409, 42.4183



40.7041, 45.5409, 116.4037



62.7239, 45.5409, 57.5195



45.9732, 45.5409, 14.9785

Rectangle

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



28.3453, 45.5409, 42.4183



31.5404, 45.5409, 89.9203



62.7239, 45.5409, 57.5195



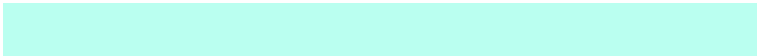
57.6344, 45.5409, 23.5807

Sweetspot

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



28.3466, 45.5427, 42.4194



71.8227, 88.2885, 95.9475



23.3265, 43.7142, 7.8710



14.8746, 18.6472, 20.2063



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.



28.3466, 45.5427, 42.4194



46.2613, 75.7205, 67.2192



22.1608, 26.6450, 60.4768



11.4369, 12.6845, 13.8580



17.6484, 28.8047, 25.8975



0.9367, 1.4965, 1.4743

Inverse Universe

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



25.6699, 13.5140, 5.3961



41.9141, 21.5297, 5.4800



27.0646, 17.3649, 2.5881



11.3085, 11.2522, 12.1594



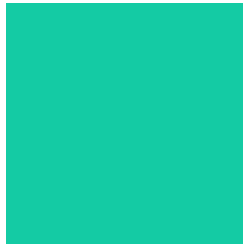
15.9818, 8.2033, 2.3568



0.8532, 0.4347, 0.2730

Previews

White Background



This preview shows how the XYZ color 28.3453, 45.5409, 42.4183 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 28.3453, 45.5409, 42.4183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

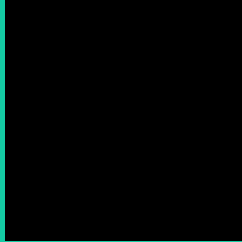
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

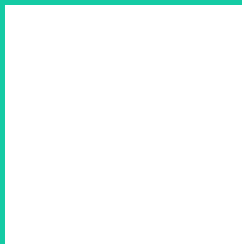
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3453, 45.5409, 42.4183

Background



This preview shows how black text looks on a background with the XYZ color 28.3453, 45.5409, 42.4183.

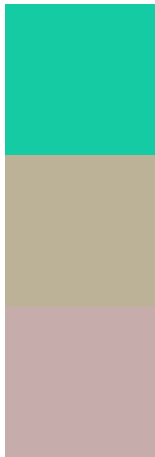


This preview shows how white text looks on a background with the XYZ color 28.3453, 45.5409,

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

28.3453, 45.5409, 42.4183

Protanopia

42.2453, 44.7665, 35.6924

Deuteranopia

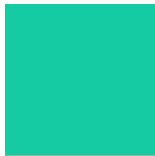
45.3919, 44.4511, 44.7156



Tritanopia

33.6735, 45.2901, 69.2544

Trichromacy



Original Color

28.3453, 45.5409, 42.4183



Protanomaly

32.5235, 42.4530, 37.9326



Deuteranomaly

33.6742, 41.6807, 43.3161



Tritanomaly

31.4460, 45.3913, 58.7338

Monochromacy



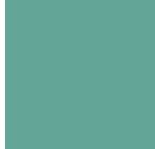
Original Color

28.3453, 45.5409, 42.4183



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.1866, 31.7973, 34.1409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3453, 45.5409, 42.4183 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(20, 203, 164)` looks like.

```
.text, #text, p{  
    color:rgb(20, 203, 164)  
}
```

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(20, 203, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 203, 164) }
```

Border

The CSS property to change the border of an element to XYZ 28.3453, 45.5409, 42.4183 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(20, 203, 164) }
```


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

```
.border{ border-color:rgb(20, 203, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 203, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 203, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 203, 164);  
box-shadow:4px 4px 4px 4px rgb(20, 203,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3453, 45.5409, 42.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 203, 164) }
```

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

```
.background{ background-color: rgb(20, 203,  
164) }
```

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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