

Converting Colors

XYZ(28.0228, 45.0275, 42.3426)

Have a look what the booklet for
XYZ(28.0228, 45.0275, 42.3426)
contains.

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Color

**XYZ(28.0184, 45.0230,
42.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	0FCAA4
RGB	15, 202, 164
RGB Percent	6%, 79%, 64%
CMY	0.9411, 0.2078, 0.3569
CMYK	0.93, 0.00, 0.19, 0.21
HSL	168°, 86%, 43%
HSV	168°, 93%, 79%
XYZ	28.0184, 45.0230, 42.3355
YIQ	141.7550, -99.2540, -51.4620

Conversions

Conversions Part 2

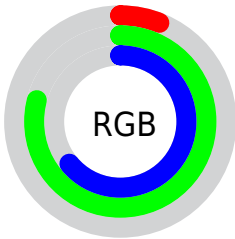
Format	Color
RYB	15, 119, 202
Decimal	1034916
CIELab	72.91, -50.45, 7.31
CIELCh	73, 50.982, 171.753
Yxy	45.0230, 0.2428, 0.3902
Android (android.graphics.Color)	4279224996 (0xFF0FCAA4)
YUV	141.7550, 10.9668, -111.1641
Hunter-Lab	67.0992, -42.8879, 9.5610

Details

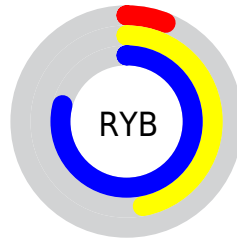
The XYZ color **28.0184, 45.0230, 42.3355** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.1723, 13.1566, 4.5838**, and the grayscale version is **25.6037, 26.9371, 29.3345**.

A 20% lighter version of the original color is **54.3719, 79.6377, 79.5238**, and **13.3583, 22.0373, 18.8788** is the 20% darker color. If you saturate the color by 10%, you get **27.5498, 44.8140, 40.8923**, and if you desaturate by 10%, it is **28.8999, 45.4350, 44.3448**.

Distribution



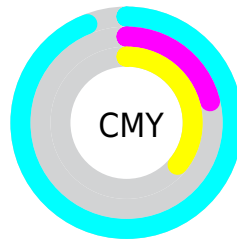
- Red (6%)
- Green (79%)
- Blue (64%)



- Red (6%)
- Yellow (47%)
- Blue (79%)



- Cyan (93%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (94%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0184, 45.0230, 42.3355 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 28.0184, 45.0230, 42.3355 by changing the saturation by 10% instead.


 28.0184, 45.0230,
42.3355


 28.0184, 45.0230,
42.3355


284.6333,
366.8667, 371.7124


 18.4801, 31.4755,
29.0366


 55.9223, 82.7549,
79.9827


 11.3970, 20.9612,
18.8627

 75.0185, 107.7082,
105.1680


 6.4038, 13.0957,
11.3953


 98.0314, 137.2322,
135.1526

 3.1351, 7.4945,
6.2159

 125.3263,
171.7113, 170.3549

 1.2256, 3.7732,
2.9059

 157.2686,
211.5299, 211.1935

 0.1264, 1.5475,
1.0468

194.2236,

 0.0000, 0.3218,

257.0724, 258.0869

0.0000

236.5567,
308.7232, 311.4537

■ 0.0000, 0.0000,
0.0000

■ 28.0184, 45.0230,
42.3355

■ 28.0184, 45.0230,
42.3355

■ 27.5498, 44.8140,
40.8923

■ 28.8999, 45.4350,
44.3448

■ 30.1870, 46.0536,
46.4350

■ 31.9400, 46.9109,
48.6108

■ 34.2081, 48.0324,
50.8748

■ 37.0343, 49.4402,
53.2297

■ 40.4568, 51.1539,
55.6778

■ 44.5106, 53.1917,
58.2212

■ 49.2279, 55.5699,
60.8620

■ 54.6385, 58.3041,
63.6022

Harmonies

Analogous

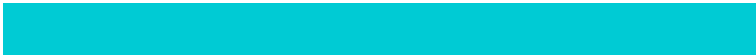
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7327, 45.0230, 24.5491



28.0184, 45.0230, 42.3355



28.8096, 45.0230, 69.4757

Triad

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



28.0184, 45.0230, 42.3355



49.4397, 45.0230, 109.9306



54.2605, 45.0230, 19.7688

Complementary

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



28.0184, 45.0230, 42.3355



25.1723, 13.1566, 4.5838

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.



60.6965, 45.0230, 33.0378



28.0184, 45.0230, 42.3355



57.6560, 45.0230, 85.9643

Square

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



28.0184, 45.0230, 42.3355



40.3896, 45.0230, 115.1105



62.0183, 45.0230, 56.3788



45.2900, 45.0230, 14.8004

Rectangle

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



28.0184, 45.0230, 42.3355



31.2744, 45.0230, 89.3407



62.0183, 45.0230, 56.3788



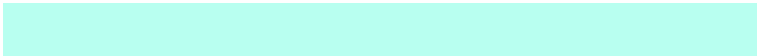
56.8407, 45.0230, 23.1319

Sweetspot

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



28.0197, 45.0247, 42.3366



71.2324, 87.9814, 96.0470



22.8127, 43.1046, 7.5704



14.6349, 18.5244, 20.1594



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.



28.0197, 45.0247, 42.3366



46.5603, 75.8401, 68.7934



21.6099, 25.8691, 59.7334



11.4418, 12.6865, 13.8838



17.7600, 28.8493, 26.4849



0.9416, 1.4985, 1.5000

Inverse Universe

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



25.1723, 13.1566, 4.5838



41.8559, 21.5064, 5.1734



26.5115, 16.7259, 2.2839



11.3040, 11.2503, 12.1356



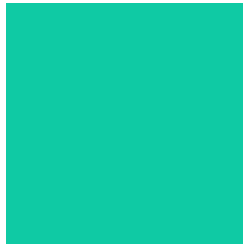
15.9578, 8.1937, 2.2303



0.8512, 0.4339, 0.2621

Previews

White Background



This preview shows how the XYZ color 28.0184, 45.0230, 42.3355 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 28.0184, 45.0230, 42.3355 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

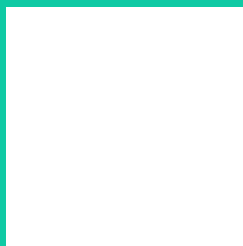
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0184, 45.0230, 42.3355

Background



This preview shows how black text looks on a background with the XYZ color 28.0184, 45.0230, 42.3355.



This preview shows how white text looks on a background with the XYZ color 28.0184, 45.0230,

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

28.0184, 45.0230, 42.3355

Protanopia

41.8016, 44.2434, 35.6148

Deuteranopia

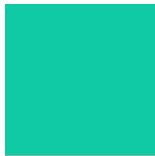
45.1292, 44.3156, 44.7033



Tritanopia

33.4223, 45.1751, 68.5861

Trichromacy



Original Color

28.0184, 45.0230, 42.3355



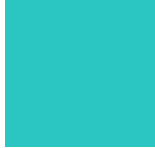
Protanomaly

31.8718, 41.8032, 37.8415



Deuteranomaly

33.3614, 41.5194, 43.3015



Tritanomaly

30.9704, 44.8187, 58.0575

Monochromacy



Original Color

28.0184, 45.0230, 42.3355



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.6044, 31.2397, 33.6400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0184, 45.0230, 42.3355 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(15, 202, 164)` looks like.

```
.text, #text, p{  
    color:rgb(15, 202, 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(15, 202, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 202, 164) }
```

Border

The CSS property to change the border of an element to XYZ 28.0184, 45.0230, 42.3355 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(15, 202, 164) }
```


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

```
.border{ border-color:rgb(15, 202, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 202, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(15, 202, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(15, 202, 164); box-shadow:4px 4px 4px 4px rgb(15, 202, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0184, 45.0230, 42.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 202, 164) }
```

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

```
.background{ background-color: rgb(15, 202,  
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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