

Converting Colors

XYZ(30.6364, 49.9270, 45.0680)

Have a look what the booklet for
XYZ(30.6364, 49.9270, 45.0680)
contains.

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Color

**XYZ(30.6364, 49.9270,
45.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	02D4A8
RGB	2, 212, 168
RGB Percent	1%, 83%, 66%
CMY	0.9920, 0.1686, 0.3412
CMYK	0.99, 0.00, 0.21, 0.17
HSL	167°, 98%, 42%
HSV	167°, 99%, 83%
XYZ	30.6364, 49.9270, 45.0680
YIQ	144.1940, -111.0360, -58.2040

Conversions

Conversions Part 2

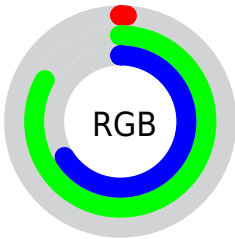
Format	Color
RYB	2, 119, 212
Decimal	185512
CIELab	76.02, -53.83, 9.61
CIELCh	76, 54.686, 169.876
Yxy	49.9270, 0.2439, 0.3974
Android (android.graphics.Color)	4278375592 (0xFF02D4A8)
YUV	144.1940, 11.7364, -124.7041
Hunter-Lab	70.6590, -46.2592, 11.6448

Details

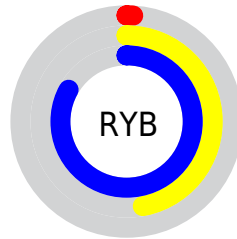
The XYZ color **30.6364, 49.9270, 45.0680** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.6681, 14.2391, 3.8782**, and the grayscale version is **26.5779, 27.9620, 30.4506**.

A 20% lighter version of the original color is **54.9050, 79.8510, 82.3310**, and **15.0409, 25.0379, 20.5631** is the 20% darker color. If you saturate the color by 10%, you get **30.5728, 49.9000, 44.8595**, and if you desaturate by 10%, it is **31.3921, 50.2692, 47.3023**.

Distribution



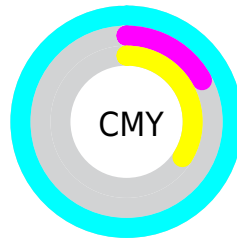
- Red (1%)
- Green (83%)
- Blue (66%)



- Red (1%)
- Yellow (47%)
- Blue (83%)



- Cyan (99%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)



- Cyan (99%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6364, 49.9270, 45.0680 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 30.6364, 49.9270, 45.0680 by changing the saturation by 10% instead.

■ 30.6364, 49.9270,
45.0680

■ 30.6364, 49.9270,
45.0680

296.7166,
386.3804, 383.2170

■ 20.4726, 35.3554,
31.1677

■ 60.0469, 90.0667,
84.1420

■ 12.8493, 23.9368,
20.4670

■ 80.0243, 116.4036,
110.1527

■ 7.4011, 15.2867,
12.5475

■ 104.0037,
147.4310, 141.0373

■ 3.7628, 9.0209,
6.9907

■ 132.3503,
183.5334, 177.2142

■ 1.5688, 4.7548,
3.3779

■ 165.4295,
225.0952, 219.1022

■ 0.3720, 2.1041,
1.2907

203.6068,

■ 0.0000, 0.6669,

272.5007, 267.1196

0.0541

247.2473,
326.1343, 321.6850

■ 0.0000, 0.0000,
0.0000

■ 30.6364, 49.9270,
45.0680

■ 30.6364, 49.9270,
45.0680

■ 30.5728, 49.9000,
44.8595

■ 31.3921, 50.2692,
47.3023

■ 32.5262, 50.8035,
49.6278

■ 34.1407, 51.5839,
52.0511

■ 36.2979, 52.6423,
54.5756

■ 39.0504, 54.0059,
57.2047

■ 42.4446, 55.6986,
59.9411

■ 46.5223, 57.7420,
62.7875

■ 51.3215, 60.1556,
65.7463

■ 56.8776, 62.9576,
68.8198

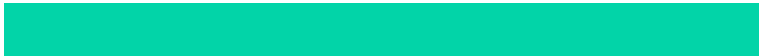
Harmonies

Analogous

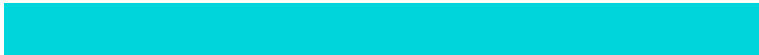
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9728, 49.9270, 25.5881



30.6364, 49.9270, 45.0680



31.2860, 49.9270, 75.7996

Triad

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



30.6364, 49.9270, 45.0680



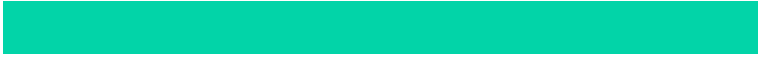
54.4447, 49.9270, 126.2093



61.2597, 49.9270, 21.7133

Complementary

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



30.6364, 49.9270, 45.0680



27.6681, 14.2391, 3.8782

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.



68.4085, 49.9270, 37.4033



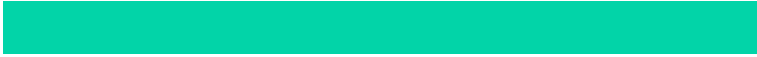
30.6364, 49.9270, 45.0680



64.0996, 49.9270, 99.2281

Square

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



30.6364, 49.9270, 45.0680



44.0870, 49.9270, 130.5956



69.5164, 49.9270, 64.8533



50.9884, 49.9270, 15.6787

Rectangle

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



30.6364, 49.9270, 45.0680



33.9292, 49.9270, 98.9500



69.5164, 49.9270, 64.8533



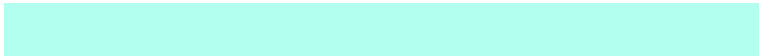
64.1664, 49.9270, 25.7010

Sweetspot

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



30.6378, 49.9289, 45.0692



69.8104, 87.2744, 94.8035



24.7520, 47.7099, 7.9627



14.3621, 18.3894, 19.8951



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.



30.6378, 49.9289, 45.0692



46.3690, 75.7636, 67.7860



23.2208, 27.3894, 66.3524



12.6755, 14.0612, 15.3717



18.9111, 30.8198, 27.8911



1.1692, 1.8703, 1.8329

Inverse Universe

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



27.6681, 14.2391, 3.8782



41.8927, 21.5211, 5.3671



28.8602, 17.3956, 1.8949



12.5287, 12.4630, 13.4582



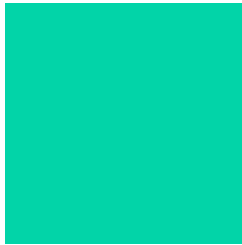
17.0774, 8.7673, 2.4455



1.0608, 0.5411, 0.3094

Previews

White Background



This preview shows how the XYZ color 30.6364, 49.9270, 45.0680 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 30.6364, 49.9270, 45.0680 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

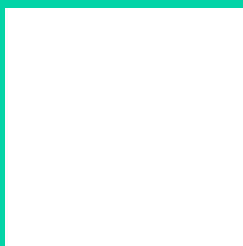
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6364, 49.9270, 45.0680

Background



This preview shows how black text looks on a background with the XYZ color 30.6364, 49.9270, 45.0680.



This preview shows how white text looks on a background with the XYZ color 30.6364, 49.9270,

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

30.6364, 49.9270, 45.0680

Protanopia

46.0303, 48.8002, 38.0037

Deuteranopia

50.0715, 49.1476, 47.4048



Tritanopia

37.0624, 50.0069, 76.1055

Trichromacy



Original Color

30.6364, 49.9270, 45.0680



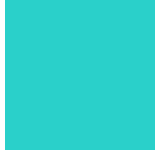
Protanomaly

34.3177, 45.9283, 40.3140



Deuteranomaly

35.9689, 45.6644, 45.9481



Tritanomaly

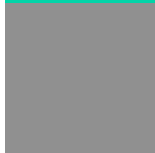
34.1714, 49.8683, 63.7016

Monochromacy



Original Color

30.6364, 49.9270, 45.0680



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.3514, 32.9512, 35.2137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6364, 49.9270, 45.0680 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(2, 212, 168)` looks like.

```
.text, #text, p{  
    color:rgb(2, 212, 168)  
}
```

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(2, 212, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 212, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.6364, 49.9270, 45.0680 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(2, 212, 168) }
```


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

```
.border{ border-color:rgb(2, 212, 168) }
```

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

Here you see how a box with a 4 pixel rgb(2, 212, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 212, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 212, 168);  
box-shadow:4px 4px 4px 4px rgb(2, 212,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6364, 49.9270, 45.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 212, 168) }
```

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

```
.background{ background-color: rgb(2, 212,  
168) }
```

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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