

Converting Colors

XYZ(22.9335, 41.6046, 54.7556)

Have a look what the booklet for
XYZ(22.9335, 41.6046, 54.7556)
contains.

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Color

**XYZ(30.0720, 45.4474,
55.3314)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9BD
RGB	0, 201, 189
RGB Percent	0%, 79%, 74%
CMY	0.9998, 0.2118, 0.2588
CMYK	1.00, 0.00, 0.06, 0.21
HSL	176°, 100%, 39%
HSV	176°, 100%, 79%
XYZ	30.0720, 45.4474, 55.3314
YIQ	139.5330, -115.9440, -46.3440

Conversions

Conversions Part 2

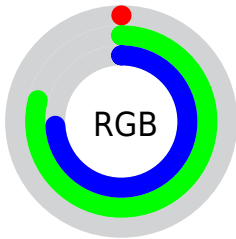
Format	Color
RYB	0, 104, 201
Decimal	51645
CIELab	73.19, -43.72, -5.83
CIELCh	73, 44.103, 187.599
Yxy	45.4474, 0.2298, 0.3473
Android (android.graphics.Color)	4278241725 (0xFF00C9BD)
YUV	139.5330, 24.3872, -122.3704
Hunter-Lab	67.4147, -38.3513, -1.4727

Details

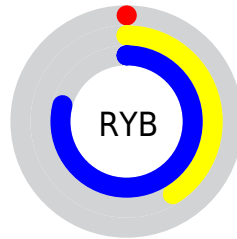
The XYZ color **30.0720, 45.4474, 55.3314** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.1553, 12.4455, 1.4784**, and the grayscale version is **24.6926, 25.9786, 28.2907**.

A 20% lighter version of the original color is **57.9504, 81.0556, 98.9772**, and **14.7228, 22.3353, 26.8277** is the 20% darker color. If you saturate the color by 10%, you get **30.0725, 45.4487, 55.3310**, and if you desaturate by 10%, it is **30.4951, 45.6514, 56.0353**.

Distribution



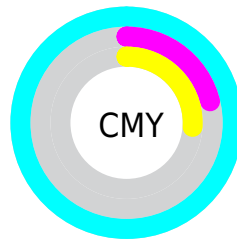
- Red (0%)
- Green (79%)
- Blue (74%)



- Red (0%)
- Yellow (41%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0720, 45.4474, 55.3314 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 30.0720, 45.4474, 55.3314 by changing the saturation by 10% instead.

■ 30.0720, 45.4474,
55.3314

■ 30.0720, 45.4474,
55.3314

294.1437,
368.5825, 424.4842

■ 20.0416, 31.8100,
39.2667

■ 59.1619, 83.3914,
99.5024

■ 12.5337, 21.2164,
26.6579

■ 78.9520, 108.4667,
128.4457

■ 7.1830, 13.2823,
17.0863

■ 102.7262,
138.1235, 162.5190

■ 3.6242, 7.6232,
10.1334

■ 130.8496,
172.7461, 202.1409

■ 1.4918, 3.8548,
5.3807

■ 163.6877,
212.7189, 247.7298

■ 0.3202, 1.5927,
2.4097

201.6059,

■ 0.0000, 0.3527,

258.4263, 299.7043

0.7917

244.9694,
310.2527, 358.4829

■ 0.0000, 0.0000,
0.0000

■ 30.0720, 45.4474,
55.3314

■ 30.0720, 45.4474,
55.3314

■ 30.0725, 45.4487,
55.3310

■ 30.4951, 45.6514,
56.0353

■ 31.2203, 46.0100,
56.7580

■ 32.3531, 46.5786,
57.5054

■ 33.9488, 47.3858,
58.2802

■ 36.0541, 48.4555,
59.0844

■ 38.7100, 49.8089,
59.9202

■ 41.9532, 51.4649,
60.7891

■ 45.8173, 53.4410,
61.6928

■ 50.3335, 55.7530,
62.6328

Harmonies

Analogous

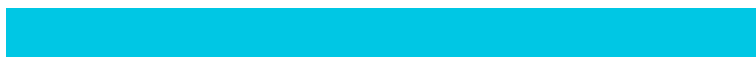
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8574, 45.4474, 34.9673



30.0720, 45.4474, 55.3314



32.4553, 45.4474, 80.2745

Triad

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



30.0720, 45.4474, 55.3314



52.9172, 45.4474, 91.4664



49.1134, 45.4474, 19.6348

Complementary

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



30.0720, 45.4474, 55.3314



24.1553, 12.4455, 1.4784

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.



56.0789, 45.4474, 27.7868



30.0720, 45.4474, 55.3314



58.4513, 45.4474, 67.5488

Square

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



30.0720, 45.4474, 55.3314



45.1924, 45.4474, 104.8251



59.6725, 45.4474, 44.0647



41.2600, 45.4474, 18.1413

Rectangle

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



30.0720, 45.4474, 55.3314



35.7096, 45.4474, 94.8431



59.6725, 45.4474, 44.0647



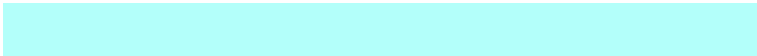
51.6626, 45.4474, 21.5375

Sweetspot

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



30.0733, 45.4491, 55.3325



71.5581, 87.9735, 104.0066



21.0601, 41.8637, 6.9718



14.7854, 18.5587, 22.1243



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.



30.0733, 45.4491, 55.3325



51.4542, 77.7977, 94.5645



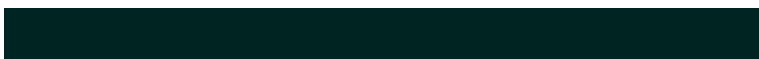
16.5519, 16.2342, 57.5213



10.9183, 12.0562, 13.5200



18.9200, 28.5804, 34.8532



0.9044, 1.3567, 1.6951

Inverse Universe

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



24.1553, 12.4455, 1.4784



41.3279, 21.2951, 2.3927



27.5068, 19.2549, 2.2681



10.6591, 10.6470, 11.1882



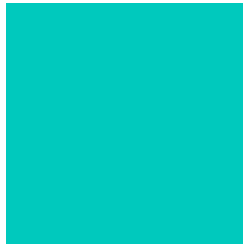
15.1986, 7.8290, 0.9900



0.7288, 0.3744, 0.0951

Previews

White Background



This preview shows how the XYZ color 30.0720, 45.4474, 55.3314 looks on a white background.

Color Contrast Check

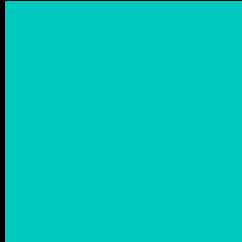
Large Text (above 18pt) WCAG AA × Fail

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 30.0720, 45.4474, 55.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

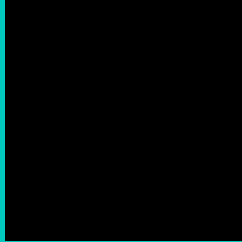
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

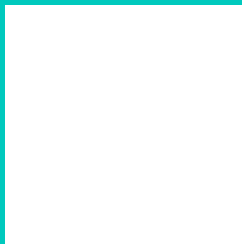
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0720, 45.4474, 55.3314

Background



This preview shows how black text looks on a background with the XYZ color 30.0720, 45.4474, 55.3314.

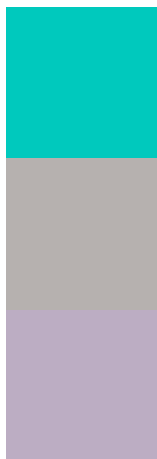


This preview shows how white text looks on a background with the XYZ color 30.0720, 45.4474,

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

30.0720, 45.4474, 55.3314

Protanopia

42.7514, 44.4845, 46.8906

Deuteranopia

45.5329, 44.5186, 57.8229



Tritanopia

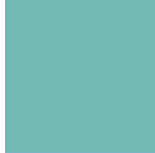
33.1032, 45.3174, 69.9532

Trichromacy



Original Color

30.0720, 45.4474, 55.3314



Protanomaly

32.9996, 42.1261, 49.5719



Deuteranomaly

34.3049, 41.7103, 56.6949



Tritanomaly

31.5999, 45.0090, 64.1489

Monochromacy



Original Color

30.0720, 45.4474, 55.3314



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2117, 30.4331, 36.9985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0720, 45.4474, 55.3314 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(0, 201, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 189)  
}
```

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(0, 201, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 189) }
```

Border

The CSS property to change the border of an element to XYZ 30.0720, 45.4474, 55.3314 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(0, 201, 189) }
```


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

```
.border{ border-color:rgb(0, 201, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0720, 45.4474, 55.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 189) }
```

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

```
.background{ background-color: rgb(0, 201,  
189) }
```

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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