

Converting Colors

XYZ(29.7828, 53.7344, 27.6979)

Have a look what the booklet for
XYZ(29.7828, 53.7344, 27.6979)
contains.

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Color

**XYZ(29.7340, 53.6920,
27.5353)**

Conversions

Conversions Part 1

Format	Color
Hex	03DE7B
RGB	3, 222, 123
RGB Percent	1%, 87%, 48%
CMY	0.9882, 0.1294, 0.5176
CMYK	0.99, 0.00, 0.45, 0.13
HSL	153°, 97%, 44%
HSV	153°, 99%, 87%
XYZ	29.7340, 53.6920, 27.5353
YIQ	145.2330, -98.7450, -77.2170

Conversions

Conversions Part 2

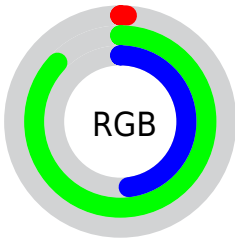
Format	Color
RYB	3, 144, 222
Decimal	253563
CIELab	78.28, -66.96, 36.08
CIELCh	78, 76.065, 151.685
Yxy	53.6920, 0.2680, 0.4839
Android (android.graphics.Color)	4278443643 (0xFF03DE7B)
YUV	145.2330, -10.9609, -124.7383
Hunter-Lab	73.2748, -55.7979, 29.0123

Details

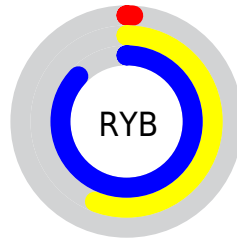
The XYZ color **29.7340, 53.6920, 27.5353** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.5573, 16.5553, 14.0545**, and the grayscale version is **27.0832, 28.4936, 31.0295**.

A 20% lighter version of the original color is **49.7592, 77.8201, 53.9932**, and **14.6248, 27.3781, 10.6446** is the 20% darker color. If you saturate the color by 10%, you get **29.6128, 53.6408, 27.0882**, and if you desaturate by 10%, it is **30.7649, 54.1485, 31.0347**.

Distribution



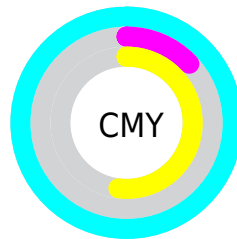
- Red (1%)
- Green (87%)
- Blue (48%)



- Red (1%)
- Yellow (56%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (13%)



- Cyan (99%)
- Magenta (13%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7340, 53.6920, 27.5353 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 29.7340, 53.6920, 27.5353 by changing the saturation by 10% instead.

■ 29.7340, 53.6920,
27.5353

■ 29.7340, 53.6920,
27.5353

292.5947,
400.9344, 304.0815

■ 19.7838, 38.3555,
17.7397

■ 58.6308, 95.6219,
56.7558

■ 12.3454, 26.2587,
10.5957

■ 78.3081, 122.9840,
77.0178

■ 7.0532, 17.0173,
5.6850

■ 101.9586,
155.1235, 101.6056

■ 3.5420, 10.2468,
2.5888

■ 129.9474,
192.4246, 130.9378

■ 1.4465, 5.5629,
0.8867

■ 162.6402,
235.2719, 165.4330

■ 0.2890, 2.5812,
0.0000

200.4020,

■ 0.0000, 0.9172,

284.0497, 205.5096

0.0000

243.5984,
339.1424, 251.5862

■ 0.0000, 0.0000,
0.0000

■ 29.7340, 53.6920,
27.5353

■ 29.7340, 53.6920,
27.5353

■ 29.6128, 53.6408,
27.0882

■ 30.7649, 54.1485,
31.0347

■ 32.2776, 54.8443,
34.9014

■ 34.3796, 55.8361,
39.1510

■ 37.1419, 57.1602,
43.7956

■ 40.6249, 58.8475,
48.8467

■ 44.8815, 60.9253,
54.3150

■ 49.9599, 63.4180,
60.2109

■ 55.9039, 66.3482,
66.5441

■ 62.7542, 69.7367,
73.3243

Harmonies

Analogous

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



37.4125, 53.6920, 12.7424



29.7340, 53.6920, 27.5353



27.4139, 53.6920, 60.9076

Triad

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



29.7340, 53.6920, 27.5353



51.8798, 53.6920, 184.8456



79.5074, 53.6920, 25.0821

Complementary

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



29.7340, 53.6920, 27.5353



32.5573, 16.5553, 14.0545

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.



85.3693, 53.6920, 56.0817



29.7340, 53.6920, 27.5353



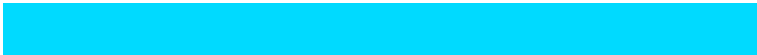
67.6122, 53.6920, 159.7963

Square

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



29.7340, 53.6920, 27.5353



38.6115, 53.6920, 164.5598



80.6451, 53.6920, 106.6673



65.8672, 53.6920, 11.8884

Rectangle

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



29.7340, 53.6920, 27.5353



28.7675, 53.6920, 94.3309



80.6451, 53.6920, 106.6673



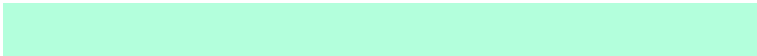
82.5604, 53.6920, 33.0782

Sweetspot

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



29.7354, 53.6942, 27.5365



67.2084, 86.2336, 81.1014



31.9893, 55.2672, 9.0683



13.7398, 18.1404, 16.6181



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.



29.7354, 53.6942, 27.5365



40.4728, 73.4051, 36.7375



37.4483, 53.7440, 77.5098



13.8414, 15.4623, 16.2001



17.6456, 31.8831, 16.3885



1.2681, 2.2279, 1.3728

Inverse Universe

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



32.5573, 16.5553, 14.0545



44.3508, 22.5043, 18.3111



30.2539, 15.7607, 1.5342



13.9636, 13.8031, 15.5783



19.3244, 9.7968, 8.3740



1.3841, 0.6969, 0.8158

Previews

White Background



This preview shows how the XYZ color 29.7340, 53.6920, 27.5353 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 29.7340, 53.6920, 27.5353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

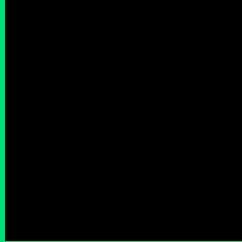
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7340, 53.6920, 27.5353

Background



This preview shows how black text looks on a background with the XYZ color 29.7340, 53.6920, 27.5353.

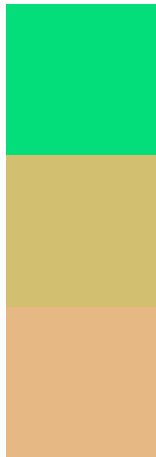


This preview shows how white text looks on a background with the XYZ color 29.7340, 53.6920,

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

29.7340, 53.6920, 27.5353

Protanopia

48.3526, 52.5708, 22.9280

Deuteranopia

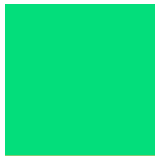
53.6184, 52.6049, 29.1576



Tritanopia

40.4790, 53.4782, 80.8619

Trichromacy



Original Color

29.7340, 53.6920, 27.5353



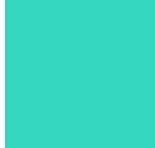
Protanomaly

34.5000, 49.1237, 24.1865



Deuteranomaly

36.1892, 48.1762, 28.1604



Tritanomaly

34.7532, 52.5515, 56.4559

Monochromacy



Original Color

29.7340, 53.6920, 27.5353



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.9731, 34.0204, 28.9700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7340, 53.6920, 27.5353 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(3, 222, 123)` looks like.

```
.text, #text, p{  
    color:rgb(3, 222, 123)  
}
```

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(3, 222, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 222, 123) }
```

Border

The CSS property to change the border of an element to XYZ 29.7340, 53.6920, 27.5353 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(3, 222, 123) }
```


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

```
.border{ border-color:rgb(3, 222, 123) }
```

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

Here you see how a box with a 4 pixel rgb(3, 222, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 222, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 222, 123);  
box-shadow:4px 4px 4px 4px rgb(3, 222,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7340, 53.6920, 27.5353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 222, 123) }
```

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

```
.background{ background-color: rgb(3, 222,  
123) }
```

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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