

Converting Colors

XYZ(27.7830, 47.1280, 72.1074)

Have a look what the booklet for
XYZ(27.7830, 47.1280, 72.1074)
contains.

XYZ(35.3123, 50.9995, 72.2727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3123, 50.9995,
72.2727)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2D7
RGB	0, 210, 215
RGB Percent	0%, 82%, 84%
CMY	0.9998, 0.1765, 0.1569
CMYK	1.00, 0.02, 0.00, 0.16
HSL	181°, 100%, 42%
HSV	181°, 100%, 84%
XYZ	35.3123, 50.9995, 72.2727
YIQ	147.7800, -126.7650, -42.9650

Conversions

Conversions Part 2

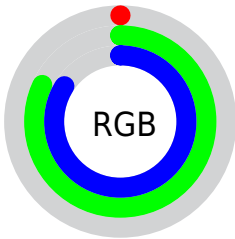
Format	Color
RYB	0, 106, 215
Decimal	53975
CIELab	76.68, -40.03, -14.67
CIELCh	77, 42.636, 200.127
Yxy	50.9995, 0.2227, 0.3216
Android (android.graphics.Color)	4278244055 (0xFF00D2D7)
YUV	147.7800, 33.1395, -129.6031
Hunter-Lab	71.4139, -36.7109, -10.0132

Details

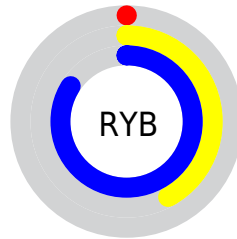
The XYZ color **35.3123, 50.9995, 72.2727** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.0798, 14.5569, 1.3312**, and the grayscale version is **27.9674, 29.4239, 32.0426**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.0665, 25.9808, 37.3203** is the 20% darker color. If you saturate the color by 10%, you get **35.3130, 51.0005, 72.2738**, and if you desaturate by 10%, it is **35.7579, 51.4138, 72.3301**.

Distribution



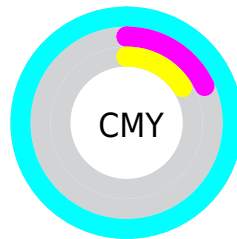
- Red (0%)
- Green (82%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3123, 50.9995, 72.2727 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 35.3123, 50.9995, 72.2727 by changing the saturation by 10% instead.

35.3123, 50.9995,
72.2727

35.3123, 50.9995,
72.2727

317.4286,
390.5618, 487.4932

24.0712, 36.2082,
52.8933

67.3001, 91.6540,
124.1555

15.5115, 24.5950,
37.3304

88.7775, 118.2861,
157.4959

9.2678, 15.7756,
25.1656

114.3978,
149.6338, 196.3271

4.9747, 9.3655,
15.9804

144.5262,
186.0816, 241.0676

2.2671, 4.9803,
9.3561

179.5281,
228.0140, 292.1359

0.7777, 2.2357,
4.8742

219.7689,

0.0000, 0.7394,

275.8152, 349.9506

2.1162

265.6140,
329.8697, 414.9302

■ 0.0000, 0.0000,
0.6254

■ 0.0000, 0.0000,
0.0000

■ 35.3123, 50.9995,
72.2727

■ 35.3123, 50.9995,
72.2727

■ 35.3130, 51.0005,
72.2738

■ 35.7579, 51.4138,
72.3301

■ 36.5592, 52.0110,
72.4032

■ 37.8355, 52.8536,
72.4986

■ 39.6523, 53.9755,
72.6193

■ 42.0648, 55.4050,
72.7681

■ 45.1215, 57.1671,
72.9471

■ 48.8656, 59.2843,
73.1584

■ 53.3371, 61.7770,
73.4039

■ 58.5723, 64.6640,
73.6852

Harmonies

Analogous

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



34.7342, 50.9995, 48.2518



35.3123, 50.9995, 72.2727



39.1888, 50.9995, 97.1065

Triad

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



35.3123, 50.9995, 72.2727



61.3875, 50.9995, 89.1782



51.1836, 50.9995, 22.2410

Complementary

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



35.3123, 50.9995, 72.2727



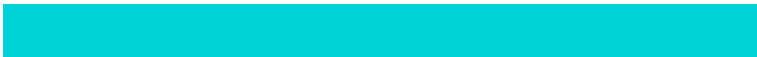
28.0798, 14.5569, 1.3312

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.



59.1198, 50.9995, 27.9248



35.3123, 50.9995, 72.2727



65.4284, 50.9995, 63.5051

Square

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



35.3123, 50.9995, 72.2727



54.0128, 50.9995, 108.5941



64.5554, 50.9995, 41.5956



43.3265, 50.9995, 23.3772

Rectangle

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



35.3123, 50.9995, 72.2727



43.3867, 50.9995, 108.6999



64.5554, 50.9995, 41.5956



53.9432, 50.9995, 23.3392

Sweetspot

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



35.3139, 51.0014, 72.2739



71.7202, 87.1345, 107.6463



24.3213, 48.6098, 8.2050



14.8247, 18.3539, 23.0113



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.



35.3139, 51.0014, 72.2739



51.9475, 75.0149, 106.3492



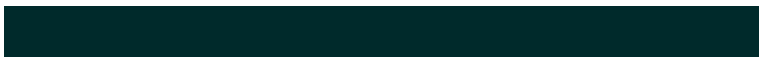
17.2110, 14.7956, 66.2396



12.7663, 14.0560, 15.9777



21.1326, 30.5270, 43.2317



1.2826, 1.8573, 2.6102

Inverse Universe

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



39.6585, 19.1016, 62.5715



58.3499, 28.1040, 92.0294



33.7211, 25.8396, 3.2116



12.9400, 12.6275, 15.6242



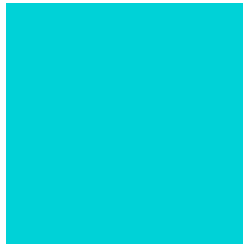
23.7256, 11.4266, 37.4548



1.4351, 0.6908, 2.2804

Previews

White Background



This preview shows how the XYZ color 35.3123, 50.9995, 72.2727 looks on a white background.

Color Contrast Check

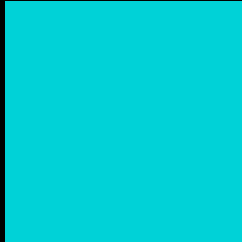
Large Text (above 18pt) WCAG AA × Fail

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 35.3123, 50.9995, 72.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

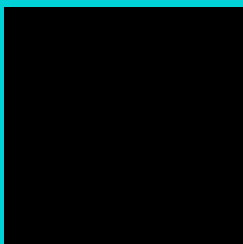
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

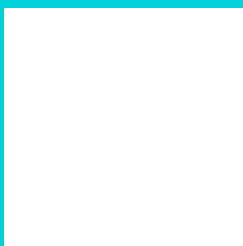
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3123, 50.9995, 72.2727

Background



This preview shows how black text looks on a background with the XYZ color 35.3123, 50.9995, 72.2727.

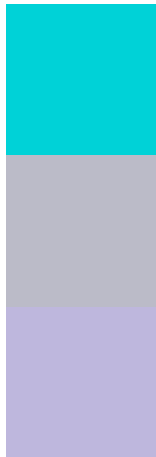


This preview shows how white text looks on a background with the XYZ color 35.3123, 50.9995,

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

35.3123, 50.9995, 72.2727

Protanopia

48.6892, 50.2756, 61.7815

Deuteranopia

51.2198, 50.0346, 75.3647



Tritanopia

36.7737, 50.8713, 79.1151

Trichromacy



Original Color

35.3123, 50.9995, 72.2727



Protanomaly

38.1423, 47.3599, 64.8887



Deuteranomaly

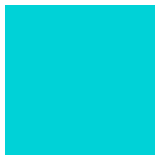
39.7413, 47.3193, 74.0568



Tritanomaly

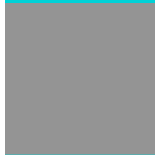
36.1609, 50.9808, 76.3410

Monochromacy



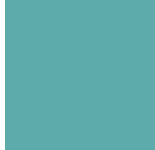
Original Color

35.3123, 50.9995, 72.2727



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.6254, 34.4841, 44.2825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3123, 50.9995, 72.2727 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, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 215)  
}
```

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, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 215) }
```

Border

The CSS property to change the border of an element to XYZ 35.3123, 50.9995, 72.2727 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, 210, 215) }
```


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

```
.border{ border-color:rgb(0, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3123, 50.9995, 72.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 215) }
```

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

```
.background{ background-color: rgb(0, 210,  
215) }
```

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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