

Converting Colors

XYZ(33.0058, 46.0245, 72.6193)

Have a look what the booklet for
XYZ(33.0058, 46.0245, 72.6193)
contains.

XYZ(32.9478, 45.8566, 72.7603)	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(32.9478, 45.8566,
72.7603)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7D9
RGB	0, 199, 217
RGB Percent	0%, 78%, 85%
CMY	0.9998, 0.2196, 0.1490
CMYK	1.00, 0.08, 0.00, 0.15
HSL	185°, 100%, 43%
HSV	185°, 100%, 85%
XYZ	32.9478, 45.8566, 72.7603
YIQ	141.5510, -124.3820, -36.5900

Conversions

Conversions Part 2

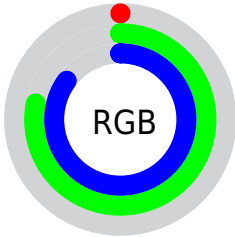
Format	Color
<code>RYB</code>	<code>0, 104, 217</code>
Decimal	<code>51161</code>
CIELab	<code>73.45, -34.33, -20.63</code>
CIELCh	<code>73, 40.053, 210.994</code>
Yxy	<code>45.8566, 0.2174, 0.3026</code>
Android (<code>android.graphics.Color</code>)	<code>4278241241</code> (<code>0xFF00C7D9</code>)
YUV	<code>141.5510, 37.1964, -124.1402</code>
Hunter-Lab	<code>67.7175, -31.6568, -16.3030</code>

Details

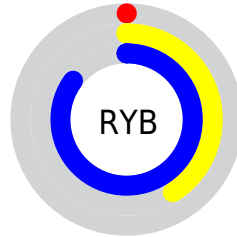
The XYZ color **32.9478, 45.8566, 72.7603** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.8331, 15.1863, 1.4131**, and the grayscale version is **25.4338, 26.7584, 29.1399**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.6470, 22.8594, 37.7173** is the 20% darker color. If you saturate the color by 10%, you get **32.9476, 45.8559, 72.7611**, and if you desaturate by 10%, it is **33.6907, 46.8591, 72.9155**.

Distribution



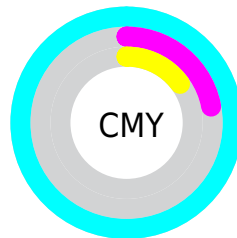
- Red (0%)
- Green (78%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9478, 45.8566, 72.7603 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 32.9478, 45.8566, 72.7603 by changing the saturation by 10% instead.

32.9478, 45.8566,
72.7603

32.9478, 45.8566,
72.7603

307.0836,
370.2318, 489.2321

22.2455, 32.1327,
53.2894

63.6492, 84.0043,
124.8546

14.1550, 21.4629,
37.6445

84.3791, 109.1970,
158.3151

8.3110, 13.4628,
25.4072

109.1822,
138.9813, 197.2758

4.3481, 7.7480,
16.1589

138.4239,
173.7416, 242.1553

1.9009, 3.9341,
9.4811

172.4695,
213.8625, 293.3722

0.5773, 1.6368,
4.9552

211.6844,

0.0000, 0.3822,

259.7282, 351.3449

2.1627

256.4340,
311.7232, 416.4920

■ 0.0000, 0.0000,
0.6527

■ 0.0000, 0.0000,
0.0000

■ 32.9478, 45.8566,
72.7603

■ 32.9478, 45.8566,
72.7603

■ 32.9476, 45.8559,
72.7611

■ 33.6907, 46.8591,
72.9155

■ 34.8023, 48.0580,
73.0883

■ 36.4036, 49.5167,
73.2855

■ 38.5617, 51.2698,
73.5101

■ 41.3333, 53.3465,
73.7649

■ 44.7677, 55.7724,
74.0521

■ 48.9095, 58.5703,
74.3739

■ 53.7992, 61.7612,
74.7321

■ 59.4744, 65.3646,
75.1285

Harmonies

Analogous

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



31.3661, 45.8566, 50.6080



32.9478, 45.8566, 72.7603



37.3252, 45.8566, 92.2635

Triad

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



32.9478, 45.8566, 72.7603



56.5765, 45.8566, 71.2680



43.3501, 45.8566, 20.2606

Complementary

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



32.9478, 45.8566, 72.7603



28.8331, 15.1863, 1.4131

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.



50.5090, 45.8566, 23.0509



32.9478, 45.8566, 72.7603



58.6257, 45.8566, 49.2581

Square

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



32.9478, 45.8566, 72.7603



50.9607, 45.8566, 91.2509



56.2965, 45.8566, 32.4576



36.9582, 45.8566, 23.4564

Rectangle

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



32.9478, 45.8566, 72.7603



41.4935, 45.8566, 99.0487



56.2965, 45.8566, 32.4576



45.7463, 45.8566, 20.5214

Sweetspot

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



32.9493, 45.8583, 72.7614



70.2937, 84.2815, 107.1708



24.8966, 49.6598, 8.7072



14.4775, 17.6596, 22.8955



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.



32.9493, 45.8583, 72.7614



47.4286, 65.9772, 104.8429



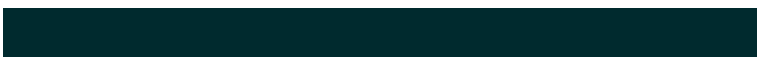
16.5336, 13.0269, 67.2895



13.3477, 14.6351, 16.7735



19.9822, 27.8339, 44.0577



1.3224, 1.8589, 2.8636

Inverse Universe

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



38.9253, 18.8767, 55.6265



56.0690, 27.1916, 80.0183



35.6977, 28.9155, 3.7013



13.5653, 13.2552, 16.2384



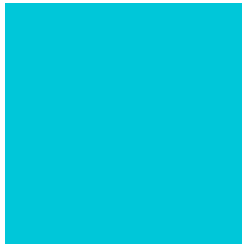
23.5814, 11.4336, 33.7715



1.5418, 0.7463, 2.2619

Previews

White Background



This preview shows how the XYZ color 32.9478, 45.8566, 72.7603 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 32.9478, 45.8566, 72.7603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

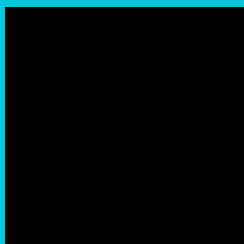
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

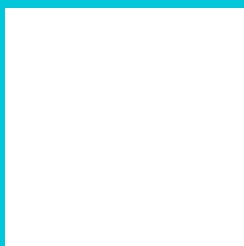
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9478, 45.8566, 72.7603

Background



This preview shows how black text looks on a background with the XYZ color 32.9478, 45.8566, 72.7603.

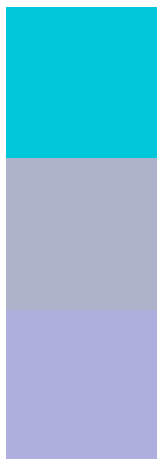


This preview shows how white text looks on a background with the XYZ color 32.9478, 45.8566,

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

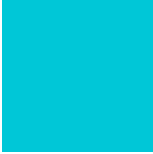
32.9478, 45.8566, 72.7603

Protanopia

44.3791, 45.2665, 62.8982

Deuteranopia

45.9703, 44.9325, 75.3572



Tritanopia

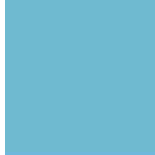
32.6892, 45.7531, 71.3983

Trichromacy



Original Color

32.9478, 45.8566, 72.7603



Protanomaly

35.4996, 43.0514, 66.1132



Deuteranomaly

36.6143, 42.8278, 74.0470



Tritanomaly

32.8181, 45.8047, 72.0772

Monochromacy



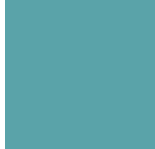
Original Color

32.9478, 45.8566, 72.7603



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.4751, 31.2326, 42.2746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9478, 45.8566, 72.7603 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, 199, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 217)  
}
```

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, 199, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.9478, 45.8566, 72.7603 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, 199, 217) }
```


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

```
.border{ border-color:rgb(0, 199, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9478, 45.8566, 72.7603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 217) }
```

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

```
.background{ background-color: rgb(0, 199,  
217) }
```

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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