

Converting Colors

XYZ(32.4796, 45.4981, 70.8225)

Have a look what the booklet for
XYZ(32.4796, 45.4981, 70.8225)
contains.

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Color

**XYZ(32.5610, 45.7019,
70.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7D6
RGB	0, 199, 214
RGB Percent	0%, 78%, 84%
CMY	0.9998, 0.2196, 0.1608
CMYK	1.00, 0.07, 0.00, 0.16
HSL	184°, 100%, 42%
HSV	184°, 100%, 84%
XYZ	32.5610, 45.7019, 70.7235
YIQ	141.2090, -123.4190, -37.5230

Conversions

Conversions Part 2

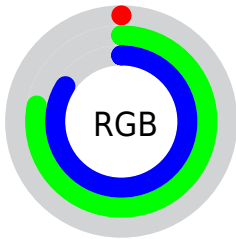
Format	Color
RYB	0, 103, 214
Decimal	51158
CIELab	73.35, -35.28, -19.15
CIELCh	73, 40.143, 208.496
Yxy	45.7019, 0.2186, 0.3068
Android (android.graphics.Color)	4278241238 (0xFF00C7D6)
YUV	141.2090, 35.8860, -123.8403
Hunter-Lab	67.6032, -32.3312, -14.7044

Details

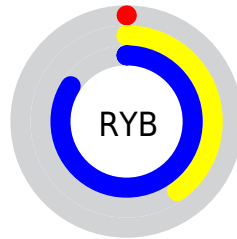
The XYZ color **32.5610, 45.7019, 70.7235** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.9037, 14.6394, 1.3564**, and the grayscale version is **25.3039, 26.6217, 28.9910**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.2313, 22.4497, 36.2786** is the 20% darker color. If you saturate the color by 10%, you get **32.5610, 45.7017, 70.7243**, and if you desaturate by 10%, it is **33.2276, 46.5614, 70.8551**.

Distribution



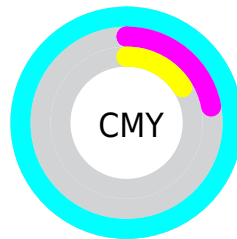
- Red (0%)
- Green (78%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5610, 45.7019, 70.7235 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 32.5610, 45.7019, 70.7235 by changing the saturation by 10% instead.


 32.5610, 45.7019,
70.7235


 32.5610, 45.7019,
70.7235


305.3670,
369.6089, 481.9439


 21.9480, 32.0106,
51.6361


 63.0488, 83.7727,
121.9307


 13.9351, 21.3696,
36.3349

 83.6543, 108.9210,
154.8876


 8.1569, 13.3945,
24.4012


 108.3213,
138.6572, 193.3049

 4.2482, 7.7007,
15.4166

 137.4153,
173.3655, 237.6009

 1.8435, 3.9041,
8.9624

 171.3014,
213.4305, 288.1942

 0.5437, 1.6200,
4.6202

210.3452,

 0.0000, 0.3711,

259.2364, 345.5035

1.9714

254.9120,
311.1678, 409.9472

■ 0.0000, 0.0000,
0.5376

■ 0.0000, 0.0000,
0.0000

■ 32.5610, 45.7019,
70.7235

■ 32.5610, 45.7019,
70.7235

■ 32.5610, 45.7017,
70.7243

■ 33.2276, 46.5614,
70.8551

■ 34.2490, 47.6080,
71.0033

■ 35.7434, 48.9035,
71.1746

■ 37.7755, 50.4813,
71.3720

■ 40.3999, 52.3695,
71.5982

■ 43.6644, 54.5929,
71.8553

■ 47.6121, 57.1736,
72.1453

■ 52.2821, 60.1318,
72.4702

■ 57.7107, 63.4862,
72.8315

Harmonies

Analogous

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



31.2257, 45.7019, 48.7472



32.5610, 45.7019, 70.7235



36.7199, 45.7019, 90.8424

Triad

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



32.5610, 45.7019, 70.7235



56.0787, 45.7019, 72.9833



43.7959, 45.7019, 20.1246

Complementary

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



32.5610, 45.7019, 70.7235



27.9037, 14.6394, 1.3564

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.



50.9299, 45.7019, 23.4180



32.5610, 45.7019, 70.7235



58.4805, 45.7019, 50.7899

Square

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



32.5610, 45.7019, 70.7235



50.2462, 45.7019, 92.3765



56.5026, 45.7019, 33.4142



37.2749, 45.7019, 22.8055

Rectangle

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



32.5610, 45.7019, 70.7235



40.7852, 45.7019, 98.4424



56.5026, 45.7019, 33.4142



46.2040, 45.7019, 20.5476

Sweetspot

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



32.5624, 45.7036, 70.7246



70.5980, 84.8902, 107.2723



24.1289, 48.1266, 8.4443



14.5515, 17.8075, 22.9202



0.0000, 0.0000, 0.0000



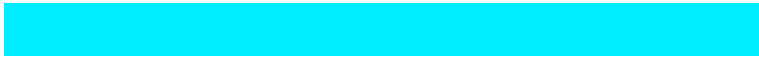
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.5624, 45.7036, 70.7246



48.3701, 67.8602, 105.1567



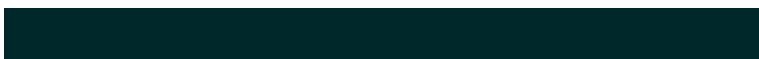
16.0318, 12.6423, 65.2144



12.7142, 13.9518, 15.9604



19.7127, 27.6872, 42.7584



1.2118, 1.7156, 2.5866

Inverse Universe

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



38.0416, 18.4210, 55.5851



56.5442, 27.3817, 82.5208



34.6047, 28.0414, 3.5901



12.9137, 12.6170, 15.4858



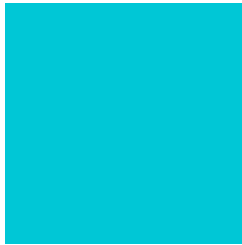
23.0089, 11.1399, 33.6807



1.3993, 0.6765, 2.0922

Previews

White Background



This preview shows how the XYZ color 32.5610, 45.7019, 70.7235 looks on a white background.

Color Contrast Check

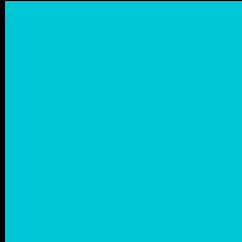
Large Text (above 18pt) WCAG AA × Fail

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 32.5610, 45.7019, 70.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

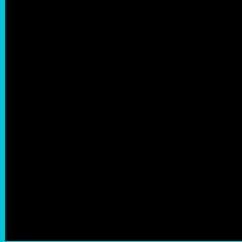
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

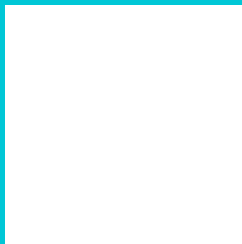
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5610, 45.7019, 70.7235

Background



This preview shows how black text looks on a background with the XYZ color 32.5610, 45.7019, 70.7235.

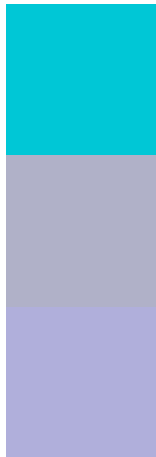


This preview shows how white text looks on a background with the XYZ color 32.5610, 45.7019,

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

32.5610, 45.7019, 70.7235

Protanopia

44.0520, 44.8445, 60.9777

Deuteranopia

46.0207, 45.0045, 73.2790



Tritanopia

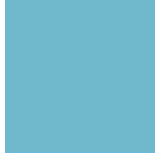
32.8272, 45.8243, 71.4048

Trichromacy



Original Color

32.5610, 45.7019, 70.7235



Protanomaly

35.0505, 42.5504, 64.1233



Deuteranomaly

36.3470, 42.7355, 71.9787



Tritanomaly

32.7768, 45.7983, 71.4024

Monochromacy



Original Color

32.5610, 45.7019, 70.7235



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.2047, 30.8415, 41.7231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5610, 45.7019, 70.7235 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 214) }
```

Border

The CSS property to change the border of an element to XYZ 32.5610, 45.7019, 70.7235 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, 214) }
```


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

```
.border{ border-color:rgb(0, 199, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5610, 45.7019, 70.7235 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, 214) }
```

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

```
.background{ background-color: rgb(0, 199,  
214) }
```

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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