

Converting Colors

XYZ(34.9745, 49.0794, 71.3832)

Have a look what the booklet for
XYZ(34.9745, 49.0794, 71.3832)
contains.

XYZ(34.9238, 49.0099, 71.2375)	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(34.9238, 49.0099,
71.2375)**

Conversions

Conversions Part 1

Format	Color
Hex	2ACDD6
RGB	42, 205, 214
RGB Percent	16%, 80%, 84%
CMY	0.8352, 0.1961, 0.1608
CMYK	0.80, 0.04, 0.00, 0.16
HSL	183°, 68%, 50%
HSV	183°, 80%, 84%
XYZ	34.9238, 49.0099, 71.2375
YIQ	157.2890, -100.0370, -31.7570

Conversions

Conversions Part 2

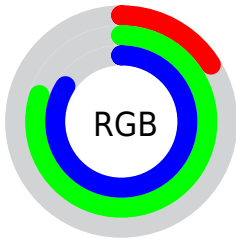
Format	Color
R _Y B	42, 126, 214
Decimal	2805206
CIE Lab	75.46, -36.09, -15.94
CIE LCh	75, 39.455, 203.829
Yxy	49.0099, 0.2251, 0.3158
Android (android.graphics.Color)	4280995286 (0xFF2ACDD6)
YUV	157.2890, 27.9585, -101.1085
Hunter-Lab	70.0071, -33.4657, -11.3271

Details

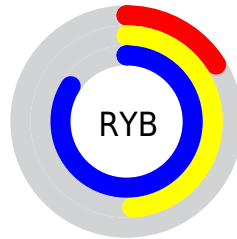
The XYZ color **34.9238, 49.0099, 71.2375** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.3347, 16.8327, 3.8950**, and the grayscale version is **32.0910, 33.7622, 36.7671**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **17.1644, 24.3159, 36.5897** is the 20% darker color. If you saturate the color by 10%, you get **34.0041, 48.1406, 71.1191**, and if you desaturate by 10%, it is **36.3152, 50.1273, 71.3808**.

Distribution



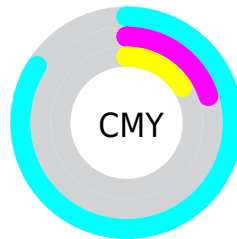
- Red (16%)
- Green (80%)
- Blue (84%)



- Red (16%)
- Yellow (49%)
- Blue (84%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (84%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9238, 49.0099, 71.2375 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 34.9238, 49.0099, 71.2375 by changing the saturation by 10% instead.


 34.9238, 49.0099,
71.2375


 34.9238, 49.0099,
71.2375


315.7458,
382.7813, 483.7893


 23.7704, 34.6273,
52.0530


 66.7025, 88.7062,
122.6694


 15.2872, 23.3759,
36.6648


 88.0585, 114.7886,
155.7540

 9.1088, 14.8714,
24.6543


 113.5462,
145.5399, 194.3090

 4.8699, 8.7291,
15.6030

 143.5308,
181.3443, 238.7529

 2.2051, 4.5649,
9.0924

 178.3777,
222.5862, 289.5044

 0.7454, 1.9943,
4.7039

218.4522,

 0.0000, 0.6042,

269.6501, 346.9819

2.0189

264.1198,
322.9203, 411.6040

■ 0.0000, 0.0000,
0.5669

■ 0.0000, 0.0000,
0.0000

■ 34.9238, 49.0099,
71.2375

■ 34.9238, 49.0099,
71.2375

■ 34.0041, 48.1406,
71.1191

■ 36.3152, 50.1273,
71.3808

■ 33.4476, 47.4747,
71.0199

■ 38.2391, 51.5210,
71.5484

■ 40.7517, 53.2211,
71.7441

■ 43.9013, 55.2523,
71.9702

■ 47.7308, 57.6370,
72.2286

■ 52.2796, 60.3954,
72.5213

■ 57.5841, 63.5462,
72.8499

■ 63.6782, 67.1070,
73.2160

■ 70.5937, 71.0940,
73.6211

Harmonies

Analogous

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



34.0147, 49.0099, 49.1723



34.9238, 49.0099, 71.2375



38.8056, 49.0099, 92.6703

Triad

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



34.9238, 49.0099, 71.2375



58.8100, 49.0099, 80.6676



48.1022, 49.0099, 22.6245

Complementary

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



34.9238, 49.0099, 71.2375



29.3347, 16.8327, 3.8950

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.



55.3345, 49.0099, 27.1192



34.9238, 49.0099, 71.2375



61.9174, 49.0099, 57.7863

Square

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



34.9238, 49.0099, 71.2375



52.4647, 49.0099, 99.0317



60.5838, 49.0099, 38.7612



41.1572, 49.0099, 24.4685

Rectangle

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



34.9238, 49.0099, 71.2375



42.7947, 49.0099, 101.8206



60.5838, 49.0099, 38.7612



50.5874, 49.0099, 23.3965

Sweetspot

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



34.9253, 49.0117, 71.2387



74.9938, 88.1568, 107.6711



25.5916, 48.8221, 11.1626



15.5365, 18.5563, 23.0128



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.



34.9253, 49.0117, 71.2387



49.9869, 70.9042, 105.6590



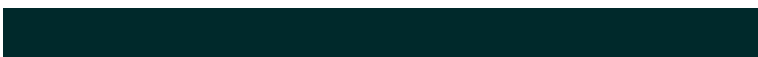
19.7390, 18.6392, 66.1766



12.7339, 13.9913, 15.9670



20.2410, 28.7438, 42.9345



1.2383, 1.7685, 2.5954

Inverse Universe

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



39.5803, 20.3614, 59.6034



57.4065, 27.9038, 86.5157



37.0403, 32.2438, 6.4635



12.9237, 12.6210, 15.5382



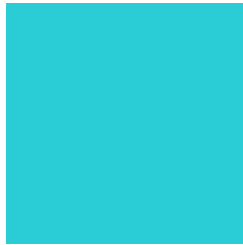
23.2756, 11.2466, 35.0849



1.4127, 0.6819, 2.1625

Previews

White Background



This preview shows how the XYZ color 34.9238, 49.0099, 71.2375 looks on a white background.

Color Contrast Check

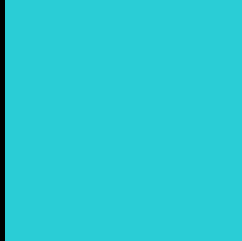
Large Text (above 18pt) WCAG AA × Fail

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 34.9238, 49.0099, 71.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

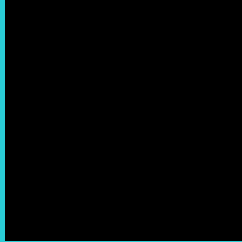
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

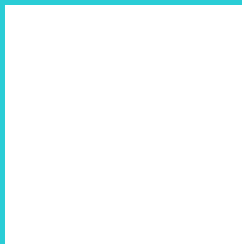
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9238, 49.0099, 71.2375

Background



This preview shows how black text looks on a background with the XYZ color 34.9238, 49.0099, 71.2375.



This preview shows how white text looks on a background with the XYZ color 34.9238, 49.0099,

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

34.9238, 49.0099, 71.2375

Protanopia

46.8873, 48.1044, 61.4574

Deuteranopia

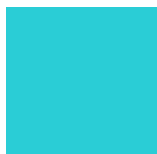
49.2471, 48.1241, 74.4034



Tritanopia

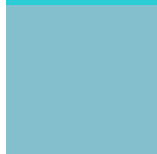
35.8629, 49.0346, 75.9811

Trichromacy



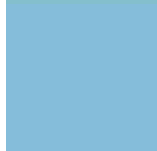
Original Color

34.9238, 49.0099, 71.2375



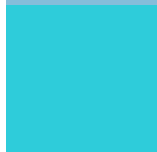
Protanomaly

39.1660, 46.5749, 64.6832



Deuteranomaly

40.5254, 46.4437, 73.1583



Tritanomaly

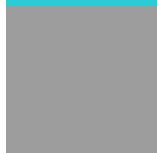
35.3745, 48.8285, 73.8901

Monochromacy



Original Color

34.9238, 49.0099, 71.2375



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.2422, 37.1313, 47.6926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9238, 49.0099, 71.2375 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(42, 205, 214)` looks like.

```
.text, #text, p{  
    color:rgb(42, 205, 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(42, 205, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 205, 214) }
```

Border

The CSS property to change the border of an element to XYZ 34.9238, 49.0099, 71.2375 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(42, 205, 214) }
```


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

```
.border{ border-color:rgb(42, 205, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 205, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 205, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 205, 214);  
box-shadow:4px 4px 4px 4px rgb(42, 205,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9238, 49.0099, 71.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 205, 214) }
```

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

```
.background{ background-color: rgb(42, 205,  
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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