

Converting Colors

XYZ(51.2691, 68.1923, 73.8246)

Have a look what the booklet for
XYZ(51.2691, 68.1923, 73.8246)
contains.

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Color

**XYZ(51.4299, 68.3671,
74.1039)**

Conversions

Conversions Part 1

Format	Color
Hex	88E9D6
RGB	136, 233, 214
RGB Percent	53%, 91%, 84%
CMY	0.4667, 0.0863, 0.1608
CMYK	0.42, 0.00, 0.08, 0.09
HSL	168°, 69%, 72%
HSV	168°, 42%, 91%
XYZ	51.4299, 68.3671, 74.1039
YIQ	201.8310, -51.7130, -26.4730

Conversions

Conversions Part 2

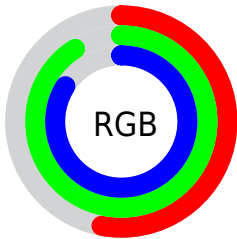
Format	Color
RYB	136, 190, 233
Decimal	8972758
CIELab	86.19, -33.03, 0.27
CIELCh	86, 33.035, 179.539
Yxy	68.3671, 0.2652, 0.3526
Android (android.graphics.Color)	4287162838 (0xFF88E9D6)
YUV	201.8310, 5.9993, -57.7338
Hunter-Lab	82.6844, -33.6703, 4.7418

Details

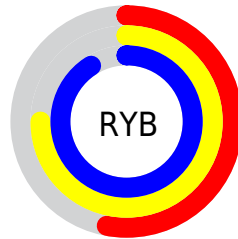
The XYZ color **51.4299, 68.3671, 74.1039** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.3272, 37.3005, 35.6656**, and the grayscale version is **56.0222, 58.9397, 64.1854**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **25.2046, 35.6097, 38.3458** is the 20% darker color. If you saturate the color by 10%, you get **47.4749, 66.3963, 70.9194**, and if you desaturate by 10%, it is **56.2277, 70.7739, 77.4161**.

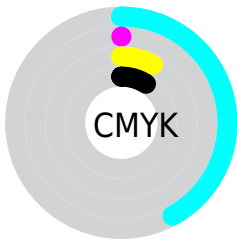
Distribution



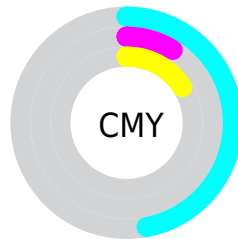
- Red (53%)
- Green (91%)
- Blue (84%)



- Red (53%)
- Yellow (75%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (47%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4299, 68.3671, 74.1039 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 51.4299, 68.3671, 74.1039 by changing the saturation by 10% instead.


 51.4299, 68.3671,
74.1039


 51.4299, 68.3671,
74.1039


382.5919,
454.7956, 494.0049


 36.7733, 50.1964,
54.3818


 91.4691, 116.8772,
126.7785

 25.2049, 35.5695,
38.5117


 117.5825,
147.9853, 160.5680

 16.3593, 24.1019,
26.0752


 148.2454,
184.1748, 199.8838

 9.8712, 15.4092,
16.6536

183.8234,
225.8300, 245.1443

 5.3753, 9.1071,
9.8285

224.6816,
273.3353, 296.7682

 2.5061, 4.8111,
5.1813

271.1856,

 0.8983, 2.1369,

327.0750, 355.1738

2.2934

323.7006,
387.4337, 420.7799

■ 0.0000, 0.6852,
0.7275

■ 0.0000, 0.0000,
0.0000

■ 51.4299, 68.3671,
74.1039

■ 51.4299, 68.3671,
74.1039

■ 47.4749, 66.3963,
70.9194

■ 56.2277, 70.7739,
77.4161

■ 44.3028, 64.8256,
67.8547


■ 61.9115, 73.6338,
80.8542


■ 41.8551, 63.6265,
64.9078


■ 68.5286, 76.9729,
84.4227

■ 40.0627, 62.7633,
62.0747


■ 76.1212, 80.8129,
88.1241


 38.8422, 62.1932,
59.3509

 84.7288, 85.1743,
91.9610

 38.1482, 61.8834,
57.1494

 86.3154, 85.9143,
95.5579

 87.0075, 86.1911,
99.2021

 87.7168, 86.4748,
102.9371

 88.4301, 86.7601,
106.6934

Harmonies

Analogous

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



53.1755, 68.3671, 55.1669



51.4299, 68.3671, 74.1039



53.0727, 68.3671, 97.0509

Triad

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



51.4299, 68.3671, 74.1039



72.4589, 68.3671, 117.1353



72.6781, 68.3671, 43.8665

Complementary

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



51.4299, 68.3671, 74.1039



48.3272, 37.3005, 35.6656

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.



78.5490, 68.3671, 55.6460



51.4299, 68.3671, 74.1039



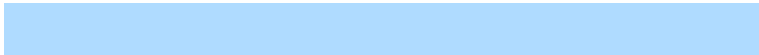
78.4157, 68.3671, 97.7487

Square

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



51.4299, 68.3671, 74.1039



64.8634, 68.3671, 124.6518



80.7248, 68.3671, 74.7774



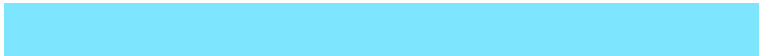
65.0985, 68.3671, 39.9293

Rectangle

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



51.4299, 68.3671, 74.1039



55.9475, 68.3671, 111.0594



80.7248, 68.3671, 74.7774



74.9378, 68.3671, 46.9105

Sweetspot

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



51.4319, 68.3698, 74.1055



83.7243, 94.2712, 103.4104



47.1795, 67.0664, 33.7525



17.6793, 20.0561, 22.0093



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.



51.4319, 68.3698, 74.1055



58.8732, 81.7850, 87.5629



46.4326, 54.2581, 85.1195



15.3838, 17.0683, 18.7040



21.6899, 35.1304, 32.6618



1.7355, 2.7715, 2.7347

Inverse Universe

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



48.3272, 37.3005, 35.6656



54.6008, 38.8509, 34.5323



51.5237, 46.0498, 29.4669



15.1861, 15.1023, 16.2652



19.3781, 9.9539, 2.5267



1.5548, 0.7949, 0.3728

Previews

White Background



This preview shows how the XYZ color 51.4299, 68.3671, 74.1039 looks on a white background.

Color Contrast Check

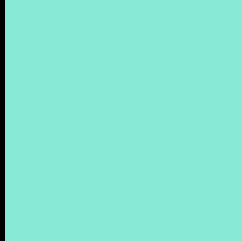
Large Text (above 18pt) WCAG AA × Fail

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 51.4299, 68.3671, 74.1039 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

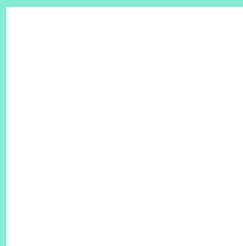
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4299, 68.3671, 74.1039

Background



This preview shows how black text looks on a background with the XYZ color 51.4299, 68.3671, 74.1039.

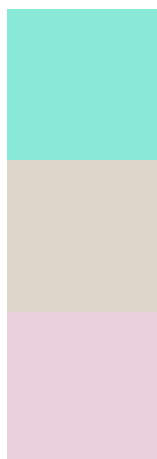


This preview shows how white text looks on a background with the XYZ color 51.4299, 68.3671,

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

51.4299, 68.3671, 74.1039

Protanopia

64.6449, 67.7771, 66.1750

Deuteranopia

68.9463, 67.5499, 76.4224



Tritanopia

56.2090, 68.2219, 98.2013

Trichromacy



Original Color

51.4299, 68.3671, 74.1039



Protanomaly

58.3541, 67.1650, 68.9200



Deuteranomaly

60.6259, 66.6412, 75.3134



Tritanomaly

54.4475, 68.3426, 88.9190

Monochromacy



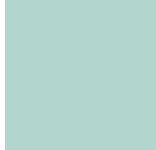
Original Color

51.4299, 68.3671, 74.1039



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.2949, 61.5097, 67.4561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4299, 68.3671, 74.1039 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(136, 233, 214)` looks like.

```
.text, #text, p{  
    color:rgb(136, 233, 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(136, 233, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 233, 214) }
```

Border

The CSS property to change the border of an element to XYZ 51.4299, 68.3671, 74.1039 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(136, 233, 214) }
```


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

```
.border{ border-color:rgb(136, 233, 214) }
```

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

Here you see how a box with a 4 pixel rgb(136, 233, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 233, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 233, 214);  
box-shadow:4px 4px 4px 4px rgb(136, 233,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4299, 68.3671, 74.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 233, 214) }
```

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

```
.background{ background-color: rgb(136,  
233, 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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