

Converting Colors

XYZ(49.0540, 72.8787, 92.5420)

Have a look what the booklet for
XYZ(49.0540, 72.8787, 92.5420)
contains.

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Color

**XYZ(49.0243, 72.8651,
92.3695)**

Conversions

Conversions Part 1

Format	Color
Hex	16F7EE
RGB	22, 247, 238
RGB Percent	9%, 97%, 93%
CMY	0.9136, 0.0314, 0.0667
CMYK	0.91, 0.00, 0.04, 0.03
HSL	178°, 93%, 53%
HSV	178°, 91%, 97%
XYZ	49.0243, 72.8651, 92.3695
YIQ	178.6990, -131.2110, -50.4990

Conversions

Conversions Part 2

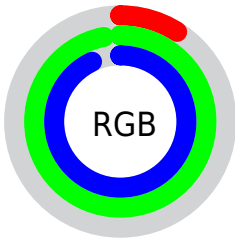
Format	Color
R _Y B	22, 137, 247
Decimal	1505262
CIE Lab	88.38, -48.94, -9.36
CIE LCh	88, 49.830, 190.825
Yxy	72.8651, 0.2288, 0.3401
Android (android.graphics.Color)	4279695342 (0xFF16F7EE)
YUV	178.6990, 29.2354, -137.4250
Hunter-Lab	85.3611, -46.8663, -4.4052

Details

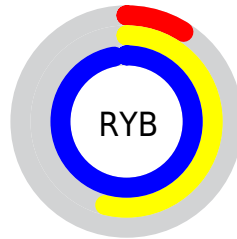
The XYZ color **49.0243, 72.8651, 92.3695** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.8946, 20.4493, 3.1964**, and the grayscale version is **42.5942, 44.8125, 48.8008**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **26.8570, 40.2043, 50.6007** is the 20% darker color. If you saturate the color by 10%, you get **48.5654, 72.6451, 91.6749**, and if you desaturate by 10%, it is **50.0007, 73.3533, 93.1770**.

Distribution



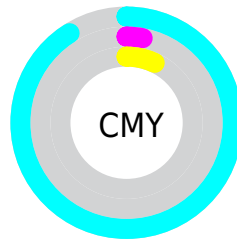
- Red (9%)
- Green (97%)
- Blue (93%)



- Red (9%)
- Yellow (54%)
- Blue (97%)



- Cyan (91%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (91%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0243, 72.8651, 92.3695 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 49.0243, 72.8651, 92.3695 by changing the saturation by 10% instead.

49.0243, 72.8651,
92.3695

49.0243, 72.8651,
92.3695

373.3533,
470.5471, 556.4767

34.8534, 53.8657,
69.3628

87.9280, 123.2857,
152.5895

23.7159, 38.4943,
50.5337

113.3916,
155.4756, 190.6400

15.2466, 26.3665,
35.4635

143.3500,
192.8312, 234.5421

9.0801, 17.0980,
23.7337

178.1687,
235.7368, 284.7145

4.8510, 10.3044,
14.9258

218.2131,
284.5767, 341.5755

2.1940, 5.6013,
8.6213

263.8484,

0.7396, 2.6042,

339.7355, 405.5439

4.4016

315.4400,
401.5975, 477.0381

■ 0.0000, 0.9288,
1.8481

■ 0.0000, 0.0000,
0.4594

■ 49.0243, 72.8651,
92.3695

■ 49.0243, 72.8651,
92.3695


■ 48.5654, 72.6451,
91.6749


■ 50.0007, 73.3533,
93.1770


■ 51.6178, 74.1700,
94.0170


■ 53.9728, 75.3670,
94.8958


■ 57.1451, 76.9853,
95.8169

 61.2038, 79.0604,
96.7838

 66.2107, 81.6243,
97.7992

 72.2220, 84.7058,
98.8658

 79.2897, 88.3319,
99.9860

 87.4620, 92.5273,
101.1622

Harmonies

Analogous

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



49.7163, 72.8651, 59.6012



49.0243, 72.8651, 92.3695



53.2622, 72.8651, 130.6896

Triad

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



49.0243, 72.8651, 92.3695



85.4149, 72.8651, 140.3833



77.0923, 72.8651, 31.9521

Complementary

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



49.0243, 72.8651, 92.3695



38.8946, 20.4493, 3.1964

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.



88.1685, 72.8651, 43.5827



49.0243, 72.8651, 92.3695



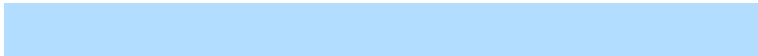
93.3430, 72.8651, 103.0111

Square

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



49.0243, 72.8651, 92.3695



73.6683, 72.8651, 163.2646



94.4050, 72.8651, 67.5932



65.0237, 72.8651, 30.6168

Rectangle

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



49.0243, 72.8651, 92.3695



58.6336, 72.8651, 151.9098



94.4050, 72.8651, 67.5932



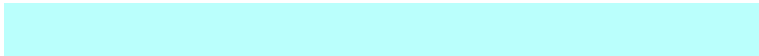
81.0898, 72.8651, 34.5869

Sweetspot

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



49.0265, 72.8678, 92.3712



73.6557, 89.0217, 105.6000



34.0435, 66.9098, 11.8817



15.3140, 18.8230, 22.5199



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.



49.0265, 72.8678, 92.3712



52.2104, 78.1001, 98.5464



27.3643, 27.3736, 91.8399



16.9664, 18.7457, 21.1073



25.6970, 38.4237, 48.5518



2.2673, 3.3806, 4.3134

Inverse Universe

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



38.8946, 20.4493, 3.1964



41.2959, 21.2824, 2.2244



45.6212, 34.0668, 4.9322



16.5260, 16.4933, 17.2505



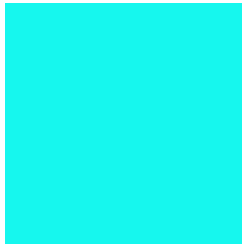
20.3270, 10.4742, 1.1643



1.7958, 0.9243, 0.1511

Previews

White Background



This preview shows how the XYZ color 49.0243, 72.8651, 92.3695 looks on a white background.

Color Contrast Check

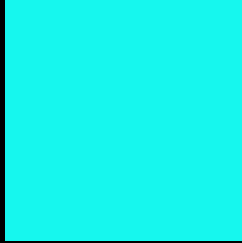
Large Text (above 18pt) WCAG AA × Fail

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 49.0243, 72.8651, 92.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

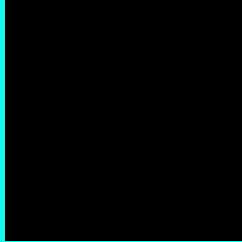
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0243, 72.8651, 92.3695

Background



This preview shows how black text looks on a background with the XYZ color 49.0243, 72.8651, 92.3695.

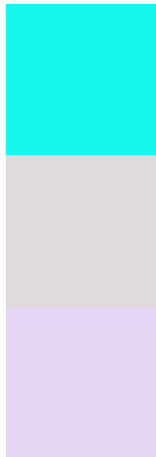


This preview shows how white text looks on a background with the XYZ color 49.0243, 72.8651,

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

49.0243, 72.8651, 92.3695

Protanopia

68.8141, 71.5715, 78.5944

Deuteranopia

72.8411, 71.3437, 96.3178



Tritanopia

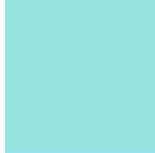
55.9867, 72.5978, 105.6697

Trichromacy



Original Color

49.0243, 72.8651, 92.3695



Protanomaly

54.4621, 68.0687, 82.9412



Deuteranomaly

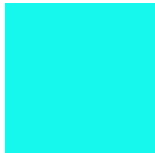
56.5498, 67.6735, 94.0862



Tritanomaly

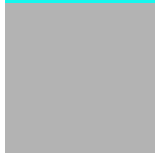
52.2444, 72.0931, 100.7843

Monochromacy



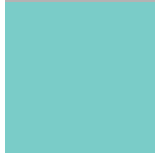
Original Color

49.0243, 72.8651, 92.3695



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.0442, 51.4934, 62.4723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0243, 72.8651, 92.3695 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(22, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(22, 247, 238)  
}
```

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(22, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 247, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.0243, 72.8651, 92.3695 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(22, 247, 238) }
```


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

```
.border{ border-color:rgb(22, 247, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 247, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(22, 247,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0243, 72.8651, 92.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 247, 238) }
```

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

```
.background{ background-color: rgb(22, 247,  
238) }
```

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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