

Converting Colors

XYZ(49.3295, 70.6932, 76.0110)

Have a look what the booklet for
XYZ(49.3295, 70.6932, 76.0110)
contains.

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Color

**XYZ(49.3295, 70.6932,
76.0110)**

Conversions

Conversions Part 1

Format	Color
Hex	66F1D8
RGB	102, 241, 216
RGB Percent	40%, 95%, 85%
CMY	0.6000, 0.0549, 0.1529
CMYK	0.58, 0.00, 0.10, 0.05
HSL	169°, 83%, 67%
HSV	169°, 58%, 95%
XYZ	49.3295, 70.6932, 76.0110
YIQ	196.5890, -74.8190, -37.2430

Conversions

Conversions Part 2

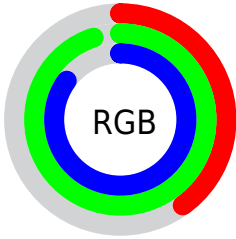
Format	Color
RYB	102, 178, 241
Decimal	6746584
CIELab	87.34, -43.60, 0.75
CIELCh	87, 43.604, 179.021
Yxy	70.6932, 0.2516, 0.3606
Android (android.graphics.Color)	4284936664 (0xFF66F1D8)
YUV	196.5890, 9.5696, -82.9546
Hunter-Lab	84.0792, -42.4123, 5.2549

Details

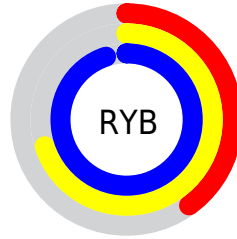
The XYZ color **49.3295, 70.6932, 76.0110** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.8602, 29.7379, 23.4570**, and the grayscale version is **52.8016, 55.5514, 60.4955**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **23.8421, 36.9926, 39.6019** is the 20% darker color. If you saturate the color by 10%, you get **46.4323, 69.2652, 72.9895**, and if you desaturate by 10%, it is **53.0393, 72.5418, 79.1508**.

Distribution



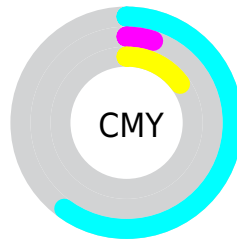
- Red (40%)
- Green (95%)
- Blue (85%)



- Red (40%)
- Yellow (70%)
- Blue (95%)



- Cyan (58%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (60%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3295, 70.6932, 76.0110 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 49.3295, 70.6932, 76.0110 by changing the saturation by 10% instead.


 49.3295, 70.6932,
76.0110


 49.3295, 70.6932,
76.0110


374.5335,
462.9802, 500.7332


 35.0965, 52.0919,
55.9348

 88.3784, 120.1968,
129.5027

 23.9041, 37.0783,
39.7470


 113.9251,
151.8678, 163.7553

 15.3869, 25.2681,
27.0291


 143.9737,
188.6642, 203.5704

 9.1794, 16.2769,
17.3624

178.8896,
230.9703, 249.3666

 4.9164, 9.7203,
10.3285

219.0382,
279.1706, 301.5625

 2.2326, 5.2139,
5.5089

264.7848,

 0.7598, 2.3733,

333.6494, 360.5765

2.4849

316.4948,
394.7912, 426.8272

■ 0.0000, 0.8121,
0.8321

■ 0.0000, 0.0000,
0.0000

■ 49.3295, 70.6932,
76.0110

■ 49.3295, 70.6932,
76.0110

■ 46.4323, 69.2652,
72.9895

■ 53.0393, 72.5418,
79.1508

■ 44.2704, 68.2130,
70.0775


■ 57.6181, 74.8349,
82.4075

■ 42.7624, 67.4961,
67.2722


■ 63.1243, 77.6044,
85.7859


■ 41.7962, 67.0569,
64.5676


■ 69.6096, 80.8769,
89.2891


 41.6096, 66.9741,
63.9511

 77.1217, 84.6769,
92.9198

 85.7050, 89.0274,
96.6807

 89.3843, 90.8480,
100.2926

 90.0589, 91.1179,
103.8450

 90.7464, 91.3929,
107.4655

Harmonies

Analogous

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



51.6535, 70.6932, 51.3937



49.3295, 70.6932, 76.0110



51.3710, 70.6932, 107.7737

Triad

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



49.3295, 70.6932, 76.0110



77.2268, 70.6932, 137.7228



77.8695, 70.6932, 37.9754

Complementary

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



49.3295, 70.6932, 76.0110



44.8602, 29.7379, 23.4570

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.



85.9668, 70.6932, 52.6824



49.3295, 70.6932, 76.0110



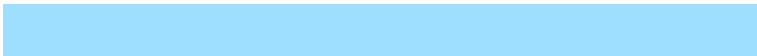
85.5700, 70.6932, 109.8812

Square

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



49.3295, 70.6932, 76.0110



66.8551, 70.6932, 148.4349



88.9165, 70.6932, 77.9428



67.5296, 70.6932, 33.1657

Rectangle

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



49.3295, 70.6932, 76.0110



55.0639, 70.6932, 128.0073



88.9165, 70.6932, 77.9428



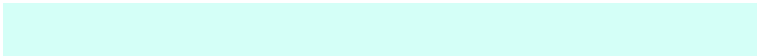
80.9812, 70.6932, 41.7048

Sweetspot

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



49.3315, 70.6960, 76.0127



79.6304, 92.1930, 101.7577



42.6804, 68.4220, 23.5292



16.7033, 19.5609, 21.6057



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.



49.3315, 70.6960, 76.0127



52.3553, 78.5311, 82.4592



41.3214, 49.1032, 90.5221



16.1182, 17.8773, 19.6456



22.6090, 36.3356, 34.9195



1.9123, 3.0354, 3.0708

Inverse Universe

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



44.8602, 29.7379, 23.4570



46.8923, 28.0003, 17.8852



48.9578, 40.2254, 17.7559



15.8889, 15.8053, 16.9711



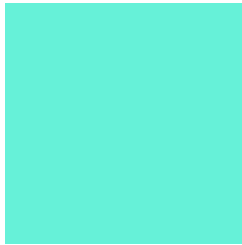
19.9463, 10.2510, 2.3680



1.6918, 0.8658, 0.3677

Previews

White Background



This preview shows how the XYZ color 49.3295, 70.6932, 76.0110 looks on a white background.

Color Contrast Check

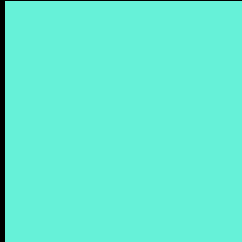
Large Text (above 18pt) WCAG AA × Fail

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 49.3295, 70.6932, 76.0110 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

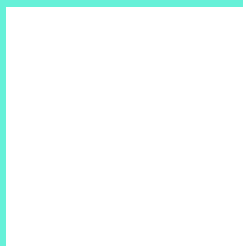
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3295, 70.6932, 76.0110

Background



This preview shows how black text looks on a background with the XYZ color 49.3295, 70.6932, 76.0110.



This preview shows how white text looks on a background with the XYZ color 49.3295, 70.6932,

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

49.3295, 70.6932, 76.0110

Protanopia

66.2679, 69.3836, 65.7768

Deuteranopia

71.2056, 69.7491, 79.5220



Tritanopia

54.8002, 70.2854, 104.4441

Trichromacy



Original Color

49.3295, 70.6932, 76.0110



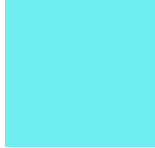
Protanomaly

57.0101, 68.0587, 69.1634



Deuteranomaly

59.5331, 67.9747, 77.6928



Tritanomaly

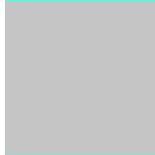
52.5679, 70.2392, 93.2250

Monochromacy



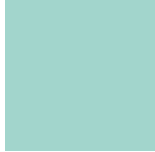
Original Color

49.3295, 70.6932, 76.0110



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.5936, 59.6295, 66.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3295, 70.6932, 76.0110 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(102, 241, 216)` looks like.

```
.text, #text, p{  
    color:rgb(102, 241, 216)  
}
```

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(102, 241, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 241, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.3295, 70.6932, 76.0110 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(102, 241, 216) }
```


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

```
.border{ border-color:rgb(102, 241, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 241, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 241, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 241, 216);  
box-shadow:4px 4px 4px 4px rgb(102, 241,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3295, 70.6932, 76.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 241, 216) }
```

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

```
.background{ background-color: rgb(102,  
241, 216) }
```

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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