

Converting Colors

XYZ(51.6449, 72.7405, 77.6480)

Have a look what the booklet for
XYZ(51.6449, 72.7405, 77.6480)
contains.

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Color

**XYZ(51.6449, 72.7405,
77.6480)**

Conversions

Conversions Part 1

Format	Color
Hex	72F3DA
RGB	114, 243, 218
RGB Percent	45%, 95%, 85%
CMY	0.5529, 0.0470, 0.1451
CMYK	0.53, 0.00, 0.10, 0.05
HSL	168°, 84%, 70%
HSV	168°, 53%, 95%
XYZ	51.6449, 72.7405, 77.6480
YIQ	201.5790, -68.8590, -35.1230

Conversions

Conversions Part 2

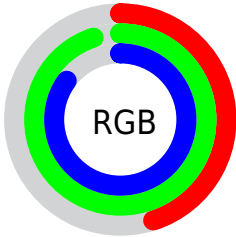
Format	Color
RYB	114, 185, 243
Decimal	7533530
CIELab	88.32, -41.67, 1.18
CIELCh	88, 41.683, 178.372
Yxy	72.7405, 0.2556, 0.3600
Android (android.graphics.Color)	4285723610 (0xFF72F3DA)
YUV	201.5790, 8.0956, -76.8068
Hunter-Lab	85.2880, -41.1661, 5.7228

Details

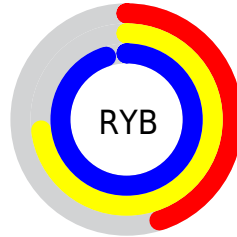
The XYZ color **51.6449, 72.7405, 77.6480** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.6421, 32.9554, 28.2788**, and the grayscale version is **55.8606, 58.7697, 64.0002**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **25.2965, 38.3430, 40.7180** is the 20% darker color. If you saturate the color by 10%, you get **48.2869, 71.0814, 74.3204**, and if you desaturate by 10%, it is **55.8640, 74.8451, 81.1106**.

Distribution



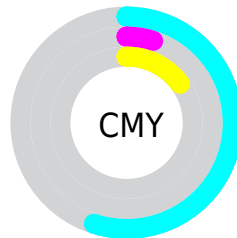
- Red (45%)
- Green (95%)
- Blue (85%)



- Red (45%)
- Yellow (73%)
- Blue (95%)



- Cyan (53%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)




- Cyan (55%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6449, 72.7405, 77.6480 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 51.6449, 72.7405, 77.6480 by changing the saturation by 10% instead.


 51.6449, 72.7405,
77.6480


 51.6449, 72.7405,
77.6480


383.4107,
470.1149, 506.4668

 36.9452, 53.7638,
57.2701


 91.7847, 123.1087,
131.8351

 25.3386, 38.4129,
40.8114


 117.9555,
155.2691, 166.4815

 16.4596, 26.3033,
27.8531


 148.6807,
192.5928, 206.7211

 9.9428, 17.0507,
17.9769

184.3257,
235.4642, 252.9725

 5.4230, 10.2706,
10.7641

225.2559,
284.2677, 305.6542

 2.5348, 5.5788,
5.7963

271.8365,

 0.9129, 2.5907,


339.3877, 365.1848


2.6548


324.4330,
401.2087, 431.9828


 0.0000, 0.9220,
0.9206


 0.0000, 0.0000,
0.0000

 51.6449, 72.7405,
77.6480


 51.6449, 72.7405,
77.6480


 48.2869, 71.0814,
74.3204


 55.8640, 74.8451,
81.1106


 45.7156, 69.8240,
71.1186


 60.9988, 77.4179,
84.7066


 43.8542, 68.9306,
68.0401

 67.1065, 80.4902,
88.4410


 42.6071, 68.3520,
65.0794


 74.2378, 84.0881,
92.3170

 42.0049, 68.0848,
63.0961

 82.4400, 88.2360,
96.3374

 89.9664, 92.0334,
100.4212

 90.6997, 92.3268,
104.2829

 91.3418, 92.5836,
107.6639

Harmonies

Analogous

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



54.0251, 72.7405, 53.6940



51.6449, 72.7405, 77.6480



53.5631, 72.7405, 108.3546

Triad

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



51.6449, 72.7405, 77.6480



78.6822, 72.7405, 138.2008



79.7180, 72.7405, 40.9605

Complementary

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



51.6449, 72.7405, 77.6480



47.6421, 32.9554, 28.2788

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.



87.4718, 72.7405, 55.8122



51.6449, 72.7405, 77.6480



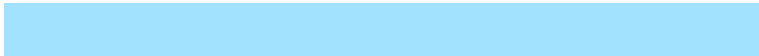
86.8344, 72.7405, 111.7281

Square

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



51.6449, 72.7405, 77.6480



68.5929, 72.7405, 147.9768



90.1919, 72.7405, 80.7767



69.6853, 72.7405, 35.9270

Rectangle

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



51.6449, 72.7405, 77.6480



57.1361, 72.7405, 127.9009



90.1919, 72.7405, 80.7767



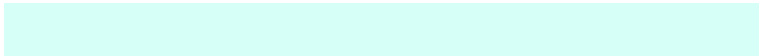
82.7121, 72.7405, 44.7618

Sweetspot

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



51.6470, 72.7434, 77.6497



80.3527, 92.5674, 101.7026



45.8717, 70.8771, 27.1840



16.8422, 19.6333, 21.5768



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.



51.6470, 72.7434, 77.6497



53.5228, 79.1327, 82.5264



44.7836, 53.3796, 92.7401



16.8509, 18.6995, 20.4993



23.1013, 37.3853, 34.8827



2.0648, 3.2996, 3.2474

Inverse Universe

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



47.6421, 32.9554, 28.2788



48.6520, 30.3206, 22.1688



51.3440, 42.9563, 21.5063



16.6304, 16.5350, 17.8002



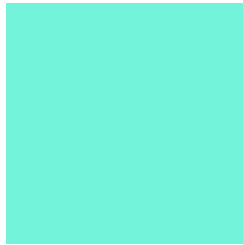
20.6058, 10.5858, 2.6326



1.8455, 0.9442, 0.4129

Previews

White Background



This preview shows how the XYZ color 51.6449, 72.7405, 77.6480 looks on a white background.

Color Contrast Check

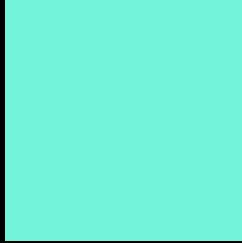
Large Text (above 18pt) WCAG AA × Fail

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 51.6449, 72.7405, 77.6480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

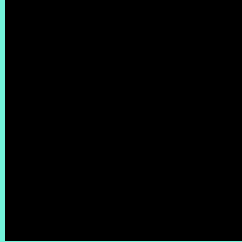
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

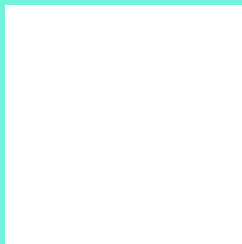
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6449, 72.7405, 77.6480

Background



This preview shows how black text looks on a background with the XYZ color 51.6449, 72.7405, 77.6480.

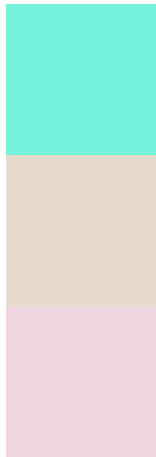


This preview shows how white text looks on a background with the XYZ color 51.6449, 72.7405,

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

51.6449, 72.7405, 77.6480

Protanopia

68.3459, 71.5648, 67.9688

Deuteranopia

72.8454, 71.3210, 80.4480



Tritanopia

58.0071, 72.7749, 105.5974

Trichromacy



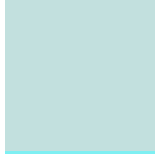
Original Color

51.6449, 72.7405, 77.6480



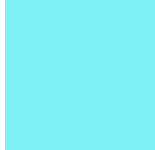
Protanomaly

59.8698, 70.7047, 71.4647



Deuteranomaly

62.0886, 70.0546, 79.3567



Tritanomaly

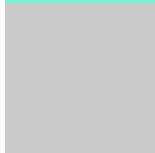
55.4977, 72.5794, 95.0886

Monochromacy



Original Color

51.6449, 72.7405, 77.6480



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.7756, 62.7258, 69.0002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6449, 72.7405, 77.6480 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(114, 243, 218)` looks like.

```
.text, #text, p{  
    color:rgb(114, 243, 218)  
}
```

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(114, 243, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 243, 218) }
```

Border

The CSS property to change the border of an element to XYZ 51.6449, 72.7405, 77.6480 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(114, 243, 218) }
```


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

```
.border{ border-color:rgb(114, 243, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 243, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 243, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 243, 218); box-shadow:4px 4px 4px 4px rgb(114, 243, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6449, 72.7405, 77.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 243, 218) }
```

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

```
.background{ background-color: rgb(114,  
243, 218) }
```

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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