

Converting Colors

XYZ(52.2435, 72.5483, 80.2020)

Have a look what the booklet for
XYZ(52.2435, 72.5483, 80.2020)
contains.

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Color

**XYZ(52.2731, 72.5601,
80.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	75F2DE
RGB	117, 242, 222
RGB Percent	46%, 95%, 87%
CMY	0.5412, 0.0510, 0.1294
CMYK	0.52, 0.00, 0.08, 0.05
HSL	170°, 83%, 70%
HSV	170°, 52%, 95%
XYZ	52.2731, 72.5601, 80.3577
YIQ	202.3450, -68.0800, -32.7200

Conversions

Conversions Part 2

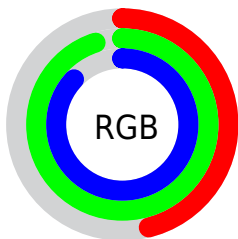
Format	Color
R _Y B	117, 185, 242
Decimal	7729886
CIE Lab	88.24, -39.65, -1.02
CIE LCh	88, 39.659, 181.473
Yxy	72.5601, 0.2548, 0.3536
Android (android.graphics.Color)	4285919966 (0xFF75F2DE)
YUV	202.3450, 9.6899, -74.8476
Hunter-Lab	85.1822, -39.5302, 3.6956

Details

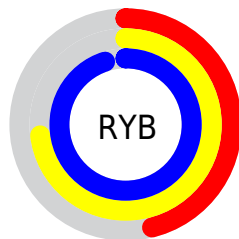
The XYZ color **52.2731, 72.5601, 80.3577** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.4971, 33.4081, 27.6146**, and the grayscale version is **56.3282, 59.2616, 64.5359**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **25.6893, 38.1918, 42.5770** is the 20% darker color. If you saturate the color by 10%, you get **48.9196, 70.8924, 77.5237**, and if you desaturate by 10%, it is **56.4830, 74.6715, 83.2972**.

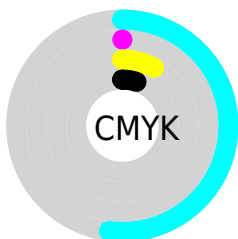
Distribution



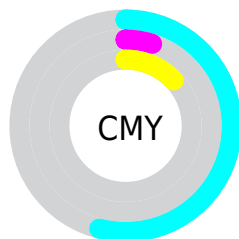
- Red (46%)
- Green (95%)
- Blue (87%)



- Red (46%)
- Yellow (73%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (54%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2731, 72.5601, 80.3577 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 52.2731, 72.5601, 80.3577 by changing the saturation by 10% instead.


 52.2731, 72.5601,
80.3577


 52.2731, 72.5601,
80.3577


385.7967,
469.4888, 515.8760


 37.4480, 53.6163,
59.4849


 92.7057, 122.8525,
135.6845

 25.7298, 38.2950,
42.5810


 119.0439,
154.9700, 170.9755

 16.7532, 26.2117,
29.2275


 149.9505,
192.2474, 211.9096

 10.1529, 16.9821,
19.0059

185.7908,
235.0693, 258.9054

 5.5635, 10.2217,
11.4977

226.9302,
283.8200, 312.3814

 2.6196, 5.5462,
6.2843

273.7341,

 0.9560, 2.5712,

338.8838, 372.7561

2.9471

326.5678,
400.6453, 440.4481

■ 0.0000, 0.9122,
1.0677

■ 0.0000, 0.0000,
0.0000

■ 52.2731, 72.5601,
80.3577

■ 52.2731, 72.5601,
80.3577

■ 48.9196, 70.8924,
77.5237

■ 56.4830, 74.6715,
83.2972

■ 46.3500, 69.6256,
74.7866


■ 61.6023, 77.2485,
86.3404

■ 44.4903, 68.7234,
72.1442


■ 67.6870, 80.3218,
89.4917


■ 43.2488, 68.1387,
69.5916


■ 74.7865, 83.9169,
92.7540


 42.5661, 67.8318,
67.5237

 82.9473, 88.0577,
96.1298

 89.5110, 91.3737,
99.4951

 90.1093, 91.6131,
102.6459

 90.7201, 91.8574,
105.8623

 91.0433, 91.9867,
107.5644

Harmonies

Analogous

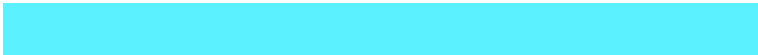
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.1329, 72.5601, 56.5670



52.2731, 72.5601, 80.3577



54.5334, 72.5601, 109.5798

Triad

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



52.2731, 72.5601, 80.3577



78.9473, 72.5601, 132.5366



78.0608, 72.5601, 41.3862

Complementary

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



52.2731, 72.5601, 80.3577



47.4971, 33.4081, 27.6146

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.



85.7443, 72.5601, 54.7237



52.2731, 72.5601, 80.3577



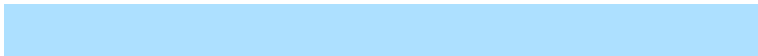
86.2882, 72.5601, 106.7091

Square

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



52.2731, 72.5601, 80.3577



69.4367, 72.5601, 143.6737



88.8812, 72.5601, 77.6688



68.4978, 72.5601, 37.4059

Rectangle

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



52.2731, 72.5601, 80.3577



58.2046, 72.5601, 127.3933



88.8812, 72.5601, 77.6688



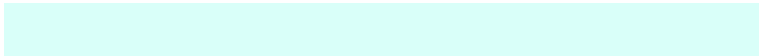
80.9787, 72.5601, 44.7455

Sweetspot

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



52.2752, 72.5629, 80.3594



81.3811, 93.0655, 103.1980



45.4190, 70.1806, 27.9836



17.0543, 19.7352, 21.9221



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.



52.2752, 72.5629, 80.3594



54.9201, 79.7523, 87.1421



44.0970, 51.6585, 91.6545



16.1324, 17.8830, 19.7199



22.9086, 36.4555, 36.4974



1.9346, 3.0443, 3.1880

Inverse Universe

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



47.4971, 33.4081, 27.6146



49.0307, 31.2010, 21.9153



52.1722, 44.8458, 22.7375



15.8759, 15.8001, 16.9029



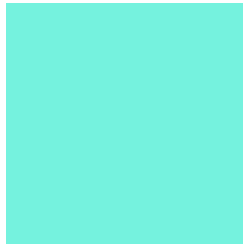
19.8980, 10.2316, 2.1133



1.6857, 0.8633, 0.3356

Previews

White Background



This preview shows how the XYZ color 52.2731, 72.5601, 80.3577 looks on a white background.

Color Contrast Check

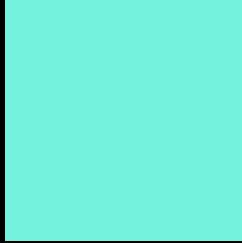
Large Text (above 18pt) WCAG AA × Fail

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 52.2731, 72.5601, 80.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

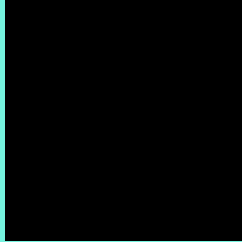
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

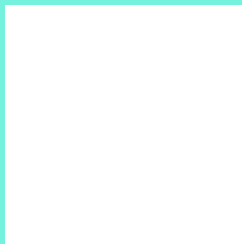
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2731, 72.5601, 80.3577

Background



This preview shows how black text looks on a background with the XYZ color 52.2731, 72.5601, 80.3577.

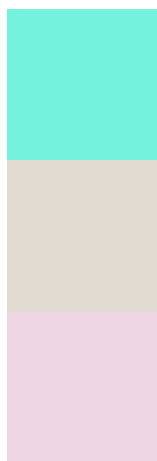


This preview shows how white text looks on a background with the XYZ color 52.2731, 72.5601,

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

52.2731, 72.5601, 80.3577

Protanopia

68.2042, 71.4352, 70.5152

Deuteranopia

72.7229, 71.1945, 83.3078



Tritanopia

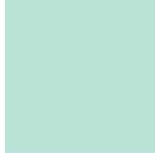
57.7183, 72.1975, 105.5012

Trichromacy



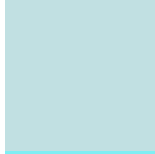
Original Color

52.2731, 72.5601, 80.3577



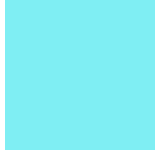
Protanomaly

59.8564, 70.2323, 74.0198



Deuteranomaly

62.3754, 70.1398, 82.2023



Tritanomaly

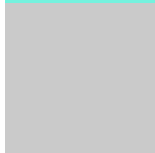
55.5046, 72.1322, 95.7915

Monochromacy



Original Color

52.2731, 72.5601, 80.3577



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.1161, 62.8871, 69.6605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2731, 72.5601, 80.3577 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(117, 242, 222)` looks like.

```
.text, #text, p{  
    color:rgb(117, 242, 222)  
}
```

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(117, 242, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 242, 222) }
```

Border

The CSS property to change the border of an element to XYZ 52.2731, 72.5601, 80.3577 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(117, 242, 222) }
```


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

```
.border{ border-color:rgb(117, 242, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 242, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 242, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 242, 222);  
box-shadow:4px 4px 4px 4px rgb(117, 242,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2731, 72.5601, 80.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 242, 222) }
```

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

```
.background{ background-color: rgb(117,  
242, 222) }
```

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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