

Converting Colors

XYZ(56.0511, 75.2297,
226.9900)

Have a look what the booklet for
XYZ(56.0511, 75.2297, 226.9900)
contains.

XYZ(52.5472, 76.2144, 106.5491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.5472, 76.2144,
106.5491)**

Conversions

Conversions Part 1

Format	Color
Hex	00FBFF
RGB	0, 251, 255
RGB Percent	0%, 98%, 100%
CMY	0.9997, 0.0157, 0.0000
CMYK	1.00, 0.02, 0.00, 0.00
HSL	181°, 100%, 50%
HSV	181°, 100%, 100%
XYZ	52.5472, 76.2144, 106.5491
YIQ	176.4070, -150.8800, -51.9680

Conversions

Conversions Part 2

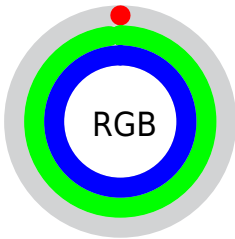
Format	Color
RYB	0, 126, 255
Decimal	64511
CIELab	89.96, -46.35, -15.87
CIELCh	90, 48.993, 198.904
Yxy	76.2144, 0.2233, 0.3239
Android (android.graphics.Color)	4278254591 (0xFF00FBFF)
YUV	176.4070, 38.7463, -154.7089
Hunter-Lab	87.3009, -45.3357, -11.2518

Details

The XYZ color **52.5472, 76.2144, 106.5491** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2846, 21.3486, 1.9469**, and the grayscale version is **41.3523, 43.5058, 47.3778**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **52.5479, 76.2159, 106.5493**, and if you desaturate by 10%, it is **53.0886, 76.6807, 106.6105**.

Distribution



- Red (0%)
- Green (98%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5472, 76.2144, 106.5491 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 52.5472, 76.2144, 106.5491 by changing the saturation by 10% instead.


 52.5472, 76.2144,
106.5491


 52.5472, 76.2144,
106.5491


386.8348,
482.0813, 602.4169


 37.6675, 56.6083,
81.1339


 93.1072, 128.0299,
172.2585


 25.9007, 40.6909,
60.1202


 119.5182,
161.0082, 213.3898

 16.8817, 28.0776,
43.0896


 150.5036,
199.2126, 260.5968

 10.2449, 18.3842,
29.6235

 186.4288,
243.0276, 314.2980

 5.6252, 11.2262,
19.3034

227.6592,
292.8376, 374.9122

 2.6570, 6.2192,
11.7107

274.5601,

 0.9751, 2.9788,

349.0269, 442.8576

6.4268

327.4968,
411.9800, 518.5530

■ 0.0000, 1.1207,
3.0334

■ 0.0000, 0.0000,
1.1117

■ 52.5472, 76.2144,
106.5491

■ 52.5472, 76.2144,
106.5491

■ 52.5479, 76.2159,
106.5493

■ 53.0886, 76.6807,
106.6105

■ 54.1677, 77.4230,
106.6969

■ 55.9506, 78.5285,
106.8164

■ 58.5380, 80.0491,
106.9735

■ 62.0144, 82.0284,
107.1723

■ 66.4535, 84.5044,
107.4163

■ 71.9215, 87.5112,
107.7084

■ 78.4785, 91.0798,
108.0516

■ 86.1801, 95.2388,
108.4485

Harmonies

Analogous

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



51.8867, 76.2144, 70.7873



52.5472, 76.2144, 106.5491



58.1710, 76.2144, 144.1528

Triad

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



52.5472, 76.2144, 106.5491



91.4664, 76.2144, 135.0611



77.0192, 76.2144, 33.1973

Complementary

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



52.5472, 76.2144, 106.5491



41.2846, 21.3486, 1.9469

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.



88.8691, 76.2144, 42.1538



52.5472, 76.2144, 106.5491



97.8086, 76.2144, 96.5081

Square

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



52.5472, 76.2144, 106.5491



80.2579, 76.2144, 163.5288



96.8083, 76.2144, 63.1788



65.1461, 76.2144, 34.4913

Rectangle

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



52.5472, 76.2144, 106.5491



64.3685, 76.2144, 162.1597



96.8083, 76.2144, 63.1788



81.1584, 76.2144, 34.9801

Sweetspot

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



52.5493, 76.2171, 106.5495



71.9036, 87.5014, 107.7075



35.7614, 71.5207, 11.9222



14.8695, 18.4434, 23.0262



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.



52.5493, 76.2171, 106.5495



52.5479, 76.2159, 106.5493



25.7100, 22.5385, 97.6031



18.5290, 20.4297, 23.2167



27.4686, 39.8467, 55.6780



2.6820, 3.8948, 5.4237

Inverse Universe

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



58.6540, 28.2269, 93.6267



58.6530, 28.2252, 93.6254



48.8994, 36.5782, 4.4852



18.7797, 18.2952, 22.7229



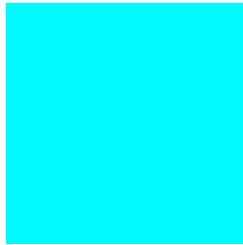
30.6531, 14.7505, 48.9509



2.9884, 1.4377, 4.7862

Previews

White Background



This preview shows how the XYZ color 52.5472, 76.2144, 106.5491 looks on a white background.

Color Contrast Check

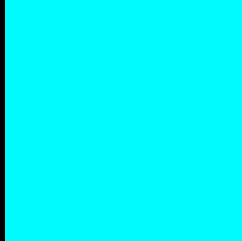
Large Text (above 18pt) WCAG AA × Fail

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 52.5472, 76.2144, 106.5491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

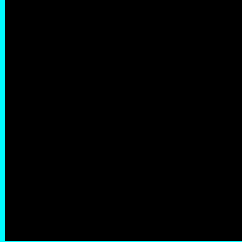
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.5472, 76.2144, 106.5491

Background



This preview shows how black text looks on a background with the XYZ color 52.5472, 76.2144, 106.5491.

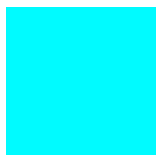


This preview shows how white text looks on a background with the XYZ color 52.5472, 76.2144,

Color Blindness Simulation

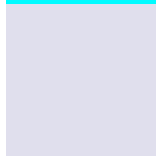
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.5472, 76.2144, 106.5491



Protanopia

72.4142, 74.7371, 90.7298



Deuteranopia

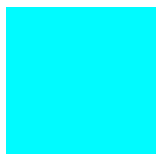
75.3218, 74.7373, 105.0636



Tritanopia

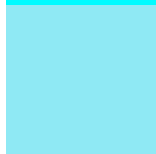
60.3205, 75.7060, 106.0412

Trichromacy



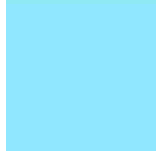
Original Color

52.5472, 76.2144, 106.5491



Protanomaly

56.7957, 70.6491, 96.2311



Deuteranomaly

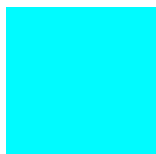
58.1275, 70.3011, 105.1136



Tritanomaly

54.8222, 74.6487, 106.1269

Monochromacy



Original Color

52.5472, 76.2144, 106.5491



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.0575, 50.5644, 65.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5472, 76.2144, 106.5491 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(0, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 255)  
}
```

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(0, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.5472, 76.2144, 106.5491 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(0, 251, 255) }
```


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

```
.border{ border-color:rgb(0, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5472, 76.2144, 106.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 255) }
```

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

```
.background{ background-color: rgb(0, 251,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor