

Converting Colors

XYZ(56.2727, 72.7152,
105.6773)

Have a look what the booklet for
XYZ(56.2727, 72.7152, 105.6773)
contains.

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Color

**XYZ(56.2526, 72.7349,
105.6822)**

Conversions

Conversions Part 1

Format	Color
Hex	75EFFF
RGB	117, 239, 255
RGB Percent	46%, 94%, 100%
CMY	0.5412, 0.0627, 0.0000
CMYK	0.54, 0.06, 0.00, 0.00
HSL	187°, 100%, 73%
HSV	187°, 54%, 100%
XYZ	56.2526, 72.7349, 105.6822
YIQ	204.3460, -77.8480, -20.8880

Conversions

Conversions Part 2

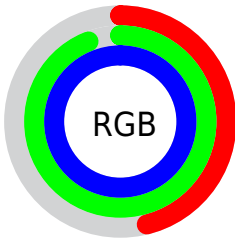
Format	Color
RYB	117, 182, 255
Decimal	7729151
CIELab	88.32, -29.86, -18.16
CIELCh	88, 34.951, 211.299
Yxy	72.7349, 0.2397, 0.3099
Android (android.graphics.Color)	4285919231 (0xFF75EFFF)
YUV	204.3460, 24.9724, -76.6024
Hunter-Lab	85.2848, -31.5123, -13.7710

Details

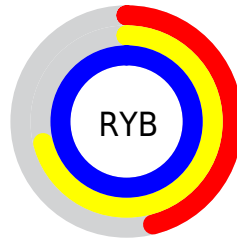
The XYZ color **56.2526, 72.7349, 105.6822** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.8392, 39.3203, 21.6363**, and the grayscale version is **57.4975, 60.4919, 65.8757**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **28.2532, 38.5250, 59.3731** is the 20% darker color. If you saturate the color by 10%, you get **52.4237, 69.4884, 105.2573**, and if you desaturate by 10%, it is **61.0326, 76.4960, 106.1562**.

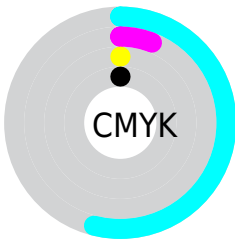
Distribution



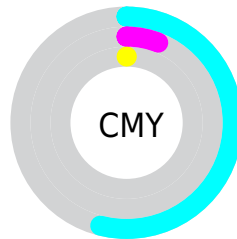
- Red (46%)
- Green (94%)
- Blue (100%)



- Red (46%)
- Yellow (71%)
- Blue (100%)



- Cyan (54%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2526, 72.7349, 105.6822 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 56.2526, 72.7349, 105.6822 by changing the saturation by 10% instead.


 56.2526, 72.7349,
105.6822


 56.2526, 72.7349,
105.6822


400.7024,
470.0955, 599.6623


 40.6433, 53.7592,
80.4112


 98.5115, 123.1008,
171.0639

 28.2269, 38.4092,
59.5286


 125.8917,
155.2598, 212.0116

 18.6381, 26.3004,
42.6160


 157.9264,
192.5820, 259.0220

 11.5115, 17.0485,
29.2548

194.9807,
235.4519, 312.5135

 6.4818, 10.2691,
19.0264

237.4201,
284.2538, 372.9048

 3.1836, 5.5777,
11.5123

285.6100,

 1.2516, 2.5901,

339.3721, 440.6143

6.2941

339.9156,
401.1912, 516.0606

■ 0.1465, 0.9217,
2.9530

■ 0.0000, 0.0000,
1.0707

■ 56.2526, 72.7349,
105.6822

■ 56.2526, 72.7349,
105.6822

■ 52.4237, 69.4884,
105.2573

■ 61.0326, 76.4960,
106.1562

■ 49.4621, 66.7083,
104.8768

■ 66.8267, 80.7993,
106.6814

■ 47.2795, 64.3506,
104.5368

■ 73.6996, 85.6800,
107.2613

■ 45.7654, 62.3582,
104.2320

■ 81.7087, 91.1678,
107.8984

■ 45.0944, 61.3088,
104.0648

■ 90.9074, 97.2902,
108.5953

95.0500, 100.0000,
108.9000

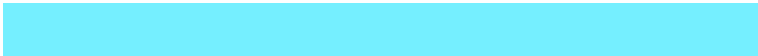
Harmonies

Analogous

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



54.2361, 72.7349, 80.2468



56.2526, 72.7349, 105.6822



61.6760, 72.7349, 126.9849

Triad

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



56.2526, 72.7349, 105.6822



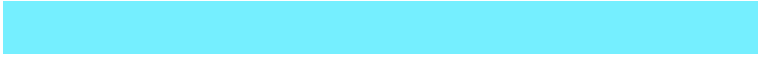
84.2579, 72.7349, 103.5010



68.7677, 72.7349, 41.4264

Complementary

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



56.2526, 72.7349, 105.6822



52.8392, 39.3203, 21.6363

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.



77.1666, 72.7349, 45.2110



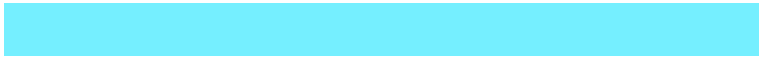
56.2526, 72.7349, 105.6822



86.5332, 72.7349, 78.1543

Square

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



56.2526, 72.7349, 105.6822



77.8495, 72.7349, 125.5570



83.8417, 72.7349, 57.5518



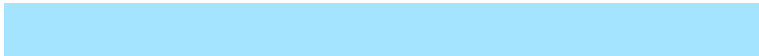
61.0915, 72.7349, 45.9348

Rectangle

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



56.2526, 72.7349, 105.6822



66.7221, 72.7349, 134.1587



83.8417, 72.7349, 57.5518



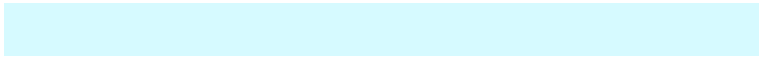
71.5999, 72.7349, 41.7646

Sweetspot

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



56.2546, 72.7376, 105.6826



80.1097, 90.0857, 107.7738



47.1806, 76.9358, 33.7672



16.7832, 19.0346, 23.0394



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.



56.2546, 72.7376, 105.6826



52.1278, 69.2241, 105.2219



40.1783, 40.5851, 100.3238



18.3645, 20.1006, 23.1618



23.6344, 32.1784, 54.4000



2.3500, 3.2307, 5.3130

Inverse Universe

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



63.1826, 40.2163, 86.0967



59.9425, 34.4901, 82.6921



65.0598, 63.7617, 25.7098



18.6966, 18.2620, 22.2856



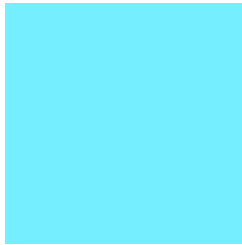
28.7178, 13.9764, 38.7597



2.8208, 1.3707, 3.9036

Previews

White Background



This preview shows how the XYZ color 56.2526, 72.7349, 105.6822 looks on a white background.

Color Contrast Check

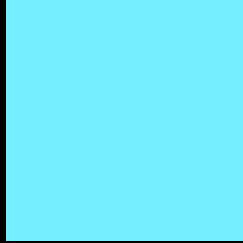
Large Text (above 18pt) WCAG AA × Fail

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 56.2526, 72.7349, 105.6822 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 56.2526, 72.7349, 105.6822

Background



This preview shows how black text looks on a background with the XYZ color 56.2526, 72.7349, 105.6822.

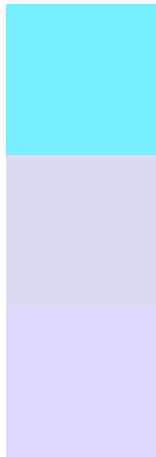


This preview shows how white text looks on a background with the XYZ color 56.2526, 72.7349,

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

56.2526, 72.7349, 105.6822

Protanopia

70.2720, 71.9793, 94.1941

Deuteranopia

72.7301, 71.8613, 104.6451



Tritanopia

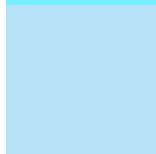
57.5401, 72.5342, 105.5756

Trichromacy



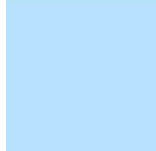
Original Color

56.2526, 72.7349, 105.6822



Protanomaly

63.0409, 70.9319, 98.3643



Deuteranomaly

64.4728, 70.7217, 104.8603



Tritanomaly

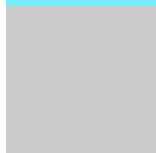
57.0820, 72.7290, 105.6373

Monochromacy



Original Color

56.2526, 72.7349, 105.6822



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.1454, 63.7241, 79.2055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2526, 72.7349, 105.6822 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 239, 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(117, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2526, 72.7349, 105.6822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

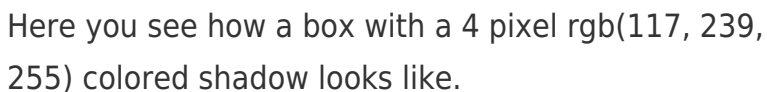
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 239, 255) }
```


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

```
.border{ border-color:rgb(117, 239, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 239, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 239, 255); box-shadow:4px 4px 4px 4px rgb(117, 239, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2526, 72.7349, 105.6822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 239, 255) }
```

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

```
.background{ background-color: rgb(117,  
239, 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](#).

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