

Converting Colors

XYZ(51.6892, 72.4717,
105.8719)

Have a look what the booklet for
XYZ(51.6892, 72.4717, 105.8719)
contains.

XYZ(51.7659, 72.6252, 105.8975)	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(51.7659, 72.6252,
105.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	33F4FF
RGB	51, 244, 255
RGB Percent	20%, 96%, 100%
CMY	0.7999, 0.0431, 0.0000
CMYK	0.80, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 80%, 100%
XYZ	51.7659, 72.6252, 105.8975
YIQ	187.5470, -118.5590, -37.4950

Conversions

Conversions Part 2

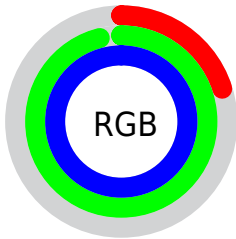
Format	Color
R _Y B	51, 150, 255
Decimal	3405055
CIE Lab	88.27, -41.11, -18.38
CIE LCh	88, 45.032, 204.091
Yxy	72.6252, 0.2248, 0.3154
Android (android.graphics.Color)	4281595135 (0xFF33F4FF)
YUV	187.5470, 33.2543, -119.7517
Hunter-Lab	85.2204, -40.7085, -14.0213

Details

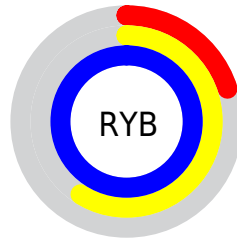
The XYZ color **51.7659, 72.6252, 105.8975** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.5613, 24.9459, 5.6531**, and the grayscale version is **47.4127, 49.8818, 54.3213**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **27.9634, 39.6179, 59.5993** is the 20% darker color. If you saturate the color by 10%, you get **50.4034, 71.3126, 105.7159**, and if you desaturate by 10%, it is **53.8387, 74.3117, 106.1137**.

Distribution



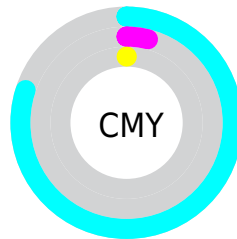
- Red (20%)
- Green (96%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7659, 72.6252, 105.8975 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 51.7659, 72.6252, 105.8975 by changing the saturation by 10% instead.


 51.7659, 72.6252,
105.8975


 51.7659, 72.6252,
105.8975


383.8710,
469.7148, 600.3471


 37.0420, 53.6696,
80.5906


 91.9622, 122.9450,
171.3607


 25.4139, 38.3375,
59.6755


 118.1653,
155.0779, 212.3540

 16.5160, 26.2448,
42.7335


 148.9255,
192.3721, 259.4133

 9.9832, 17.0068,
29.3462


 184.6082,
235.2118, 312.9570

 5.4500, 10.2394,
19.0951

225.5788,
283.9816, 373.4037

 2.5511, 5.5580,
11.5615

272.2025,

 0.9211, 2.5782,

339.0657, 441.1719

6.3269

324.8448,
400.8487, 516.6802

■ 0.0000, 0.9157,
2.9729

■ 0.0000, 0.0000,
1.0808

■ 51.7659, 72.6252,
105.8975

■ 51.7659, 72.6252,
105.8975

■ 50.4034, 71.3126,
105.7159

■ 53.8387, 74.3117,
106.1137

■ 49.5808, 70.2813,
105.5602

■ 56.7167, 76.4163,
106.3683

■ 49.5803, 70.2806,
105.5601

■ 60.4863, 78.9852,
106.6654

■ 65.2213, 82.0563,
107.0087

70.9878, 85.6638,
107.4011

77.8461, 89.8388,
107.8454

85.8518, 94.6099,
108.3444

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.



50.3777, 72.6252, 73.1153



51.7659, 72.6252, 105.8975



57.5598, 72.6252, 137.6328

Triad

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



51.7659, 72.6252, 105.8975



87.2347, 72.6252, 119.2998



71.1863, 72.6252, 33.4723

Complementary

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



51.7659, 72.6252, 105.8975



43.5613, 24.9459, 5.6531

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.



81.9266, 72.6252, 40.0504



51.7659, 72.6252, 105.8975



91.7924, 72.6252, 85.3532

Square

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



51.7659, 72.6252, 105.8975



77.8488, 72.6252, 146.6757



89.7555, 72.6252, 57.2158



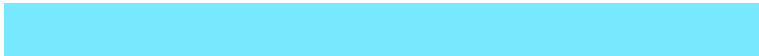
60.9002, 72.6252, 36.2878

Rectangle

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



51.7659, 72.6252, 105.8975



63.4953, 72.6252, 151.0973



89.7555, 72.6252, 57.2158



74.8733, 72.6252, 34.5897

Sweetspot

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



51.7679, 72.6278, 105.8979



74.9633, 88.0959, 107.6610



37.9743, 72.5635, 16.4503



15.5291, 18.5413, 23.0103



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.



51.7679, 72.6278, 105.8979



49.8712, 70.6730, 105.6205



29.2100, 27.5121, 98.3786



18.4660, 20.3037, 23.1957



25.9432, 36.7959, 55.1696



2.5506, 3.6320, 5.3799

Inverse Universe

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



58.7543, 30.1611, 88.3158



57.3482, 27.8804, 86.2083



54.9721, 47.7675, 9.4567



18.7479, 18.2825, 22.5555



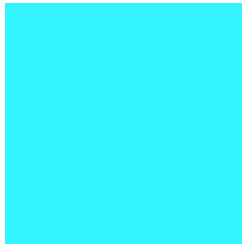
29.8831, 14.4425, 44.8964



2.9221, 1.4112, 4.4369

Previews

White Background



This preview shows how the XYZ color 51.7659, 72.6252, 105.8975 looks on a white background.

Color Contrast Check

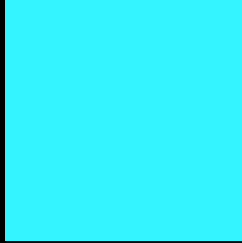
Large Text (above 18pt) WCAG AA × Fail

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 51.7659, 72.6252, 105.8975 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 51.7659, 72.6252, 105.8975

Background



This preview shows how black text looks on a background with the XYZ color 51.7659, 72.6252, 105.8975.

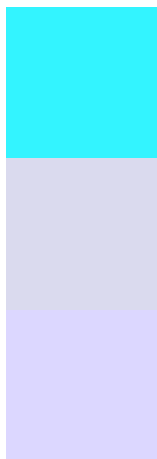


This preview shows how white text looks on a background with the XYZ color 51.7659, 72.6252,

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

51.7659, 72.6252, 105.8975

Protanopia

69.4175, 71.2213, 90.9773

Deuteranopia

71.8656, 71.0365, 104.5314



Tritanopia

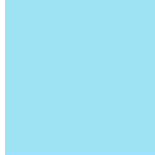
55.8559, 72.5304, 105.6636

Trichromacy



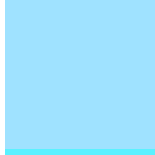
Original Color

51.7659, 72.6252, 105.8975



Protanomaly

57.7028, 68.6379, 95.7951



Deuteranomaly

59.5444, 68.9836, 104.7846



Tritanomaly

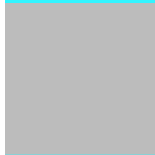
53.8197, 72.3547, 105.7370

Monochromacy



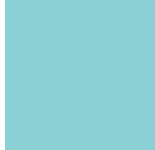
Original Color

51.7659, 72.6252, 105.8975



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.9208, 55.2685, 70.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7659, 72.6252, 105.8975 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(51, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 244, 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(51, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.7659, 72.6252, 105.8975 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(51, 244, 255) }
```


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

```
.border{ border-color:rgb(51, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7659, 72.6252, 105.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 244, 255) }
```

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

```
.background{ background-color: rgb(51, 244,  
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