

# Converting Colors

XYZ(56.3753, 72.2317, 91.8119)

Have a look what the booklet for  
XYZ(56.3753, 72.2317, 91.8119)  
contains.

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# Color

**XYZ(56.3643, 72.2304,  
91.8601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEDEE
RGB	139, 237, 238
RGB Percent	55%, 93%, 93%
CMY	0.4549, 0.0706, 0.0667
CMYK	0.42, 0.00, 0.00, 0.07
HSL	181°, 74%, 74%
HSV	181°, 42%, 93%
XYZ	56.3643, 72.2304, 91.8601
YIQ	207.8120, -58.7290, -20.4650

# Conversions

## Conversions Part 2

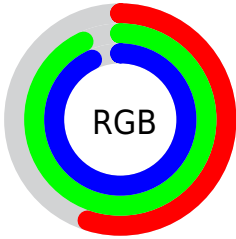
Format	Color
<a href="#">RYB</a>	139, 188, 238
Decimal	9170414
CIELab	88.08, -28.54, -9.53
CIElCh	88, 30.095, 198.470
Yxy	72.2304, 0.2557, 0.3276
Android (android.graphics.Color)	4287360494 (0xFF8BEDEE)
YUV	207.8120, 14.8827, -60.3481
Hunter-Lab	84.9885, -30.3487, -4.5919

# Details

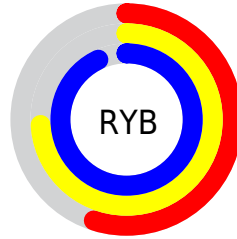
The XYZ color **56.3643, 72.2304, 91.8601** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.2994, 38.7984, 29.3183**, and the grayscale version is **59.7682, 62.8809, 68.4772**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **28.3607, 38.1745, 50.1296** is the 20% darker color. If you saturate the color by 10%, you get **52.7460, 70.2638, 91.6725**, and if you desaturate by 10%, it is **60.8520, 74.6488, 92.0916**.

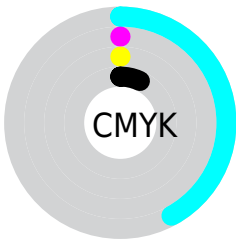
# Distribution



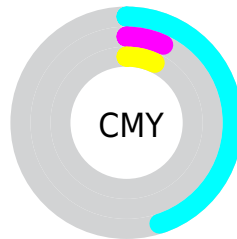
- Red (55%)
- Green (93%)
- Blue (93%)



- Red (55%)
- Yellow (74%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




- Cyan (45%)
- Magenta (7%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3643, 72.2304, 91.8601 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 56.3643, 72.2304, 91.8601 by changing the saturation by 10% instead.





 56.3643, 72.2304,  
91.8601


 56.3643, 72.2304,  
91.8601


401.1158,  
468.3431, 554.7888

 40.7332, 53.3469,  
68.9421


 98.6737, 122.3840,  
151.8775

 28.2974, 38.0798,  
50.1931


 126.0828,  
154.4230, 189.8139

 18.6916, 26.0446,  
35.1946


158.1486,  
191.6159, 233.5936

 11.5503, 16.8570,  
23.5280

195.2365,  
234.3471, 283.6349

 6.5083, 10.1326,  
14.7749

237.7118,  
283.0010, 340.3566

 3.2001, 5.4870,  
8.5167

285.9399,

 1.2605, 2.5357,

337.9621, 404.1771

4.3348

340.2861,  
399.6147, 475.5150

■ 0.1533, 0.8945,  
1.8108

■ 0.0000, 0.0000,  
0.4351

■ 56.3643, 72.2304,  
91.8601

■ 56.3643, 72.2304,  
91.8601

■ 52.7460, 70.2638,  
91.6725

■ 60.8520, 74.6488,  
92.0916

■ 49.9339, 68.7112,  
91.5210


■ 66.2543, 77.5370,  
92.3644


■ 47.8667, 67.5428,  
91.4044

■ 72.6208, 80.9225,  
92.6823


■ 46.4715, 66.7209,  
91.3193


■ 79.9959, 84.8281,  
93.0474


 45.6607, 66.2005,  
91.2616


 87.3066, 88.7006,  
93.4096

 45.3142, 65.9359,  
91.2288

 87.3766, 88.8405,  
93.4329

 87.4466, 88.9806,  
93.4563

 87.5168, 89.1209,  
93.4796

 87.5870, 89.2614,  
93.5030

# Harmonies

## Analogous

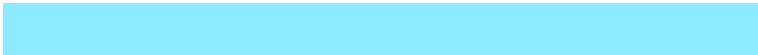
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9856, 72.2304, 70.9996



56.3643, 72.2304, 91.8601



59.8938, 72.2304, 112.1427

# Triad

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



56.3643, 72.2304, 91.8601



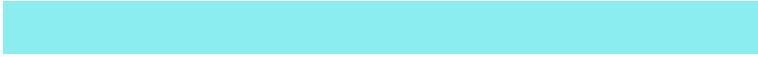
79.5239, 72.2304, 107.9066



71.4517, 72.2304, 45.8981

# Complementary

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



56.3643, 72.2304, 91.8601



49.2994, 38.7984, 29.3183

# 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.



78.2267, 72.2304, 52.5883



56.3643, 72.2304, 91.8601



83.0997, 72.2304, 86.8239

# Square

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



56.3643, 72.2304, 91.8601



73.1236, 72.2304, 122.4639



82.6090, 72.2304, 66.7652



64.3681, 72.2304, 46.7693

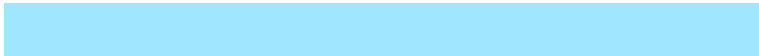


# Rectangle

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



56.3643, 72.2304, 91.8601



63.7062, 72.2304, 121.4955



82.6090, 72.2304, 66.7652



73.8492, 72.2304, 47.2823

# Sweetspot

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



56.3664, 72.2332, 91.8618



84.5763, 94.4547, 108.3817



45.8838, 68.5036, 35.2320



17.8812, 20.0995, 23.1871



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.



56.3664, 72.2332, 91.8618



62.2285, 82.4735, 107.2469



44.1720, 47.8443, 87.7970



16.2329, 17.9000, 20.3211



25.2866, 36.7975, 50.8977



2.1080, 3.0700, 4.2357



# Inverse Universe

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



59.7804, 42.7587, 85.2263



66.7379, 43.7057, 98.4455



58.0119, 56.2234, 32.2225



16.4470, 16.0285, 19.9102



28.0891, 13.5081, 45.2474

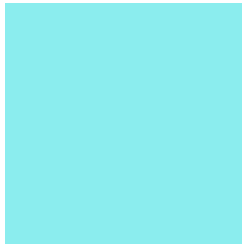


2.3390, 1.1246, 3.7758



# Previews

## White Background



This preview shows how the XYZ color 56.3643, 72.2304, 91.8601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

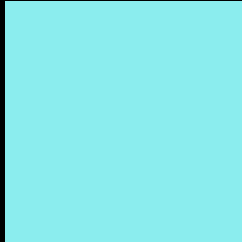
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3643, 72.2304, 91.8601 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 56.3643, 72.2304, 91.8601

## Background



This preview shows how black text looks on a background with the XYZ color 56.3643, 72.2304, 91.8601.



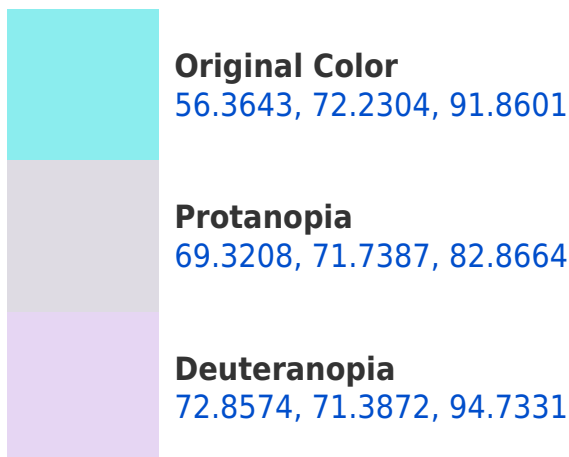
This preview shows how white text looks on a background with the XYZ color 56.3643, 72.2304,



# 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





## Tritanopia

58.9254, 72.4121, 104.6372

# Trichromacy



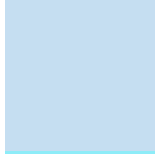
## Original Color

56.3643, 72.2304, 91.8601



## Protanomaly

63.3584, 71.3687, 86.0375



## Deuteranomaly

65.0244, 70.4637, 93.3928



## Tritanomaly

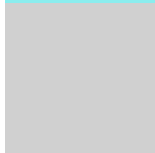
58.0941, 72.5190, 99.7426

# Monochromacy



## Original Color

56.3643, 72.2304, 91.8601



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

57.6461, 65.8448, 76.6889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3643, 72.2304, 91.8601 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(139, 237, 238)` looks like.

```
.text, #text, p{  
    color:rgb(139, 237, 238)  
}
```

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(139, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 237, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3643, 72.2304, 91.8601 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".

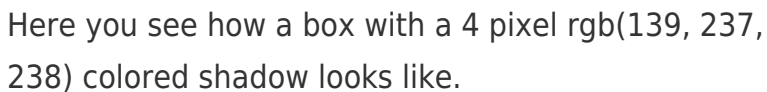
```
.border, #border, table{ border:4px solid rgb(139, 237, 238) }
```



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

```
.border{ border-color:rgb(139, 237, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 237, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 237, 238); box-shadow:4px 4px 4px 4px rgb(139, 237, 238) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3643, 72.2304, 91.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 237, 238) }
```

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

```
.background{ background-color: rgb(139,  
237, 238) }
```

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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