

# Converting Colors

XYZ(57.3631, 71.6241, 97.0733)

Have a look what the booklet for  
XYZ(57.3631, 71.6241, 97.0733)  
contains.

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# Color

**XYZ(57.5175, 71.8489,  
97.2229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEBF5
RGB	143, 235, 245
RGB Percent	56%, 92%, 96%
CMY	0.4392, 0.0784, 0.0392
CMYK	0.42, 0.04, 0.00, 0.04
HSL	186°, 84%, 76%
HSV	186°, 42%, 96%
XYZ	57.5175, 71.8489, 97.2229
YIQ	208.6320, -58.0420, -16.3940

# Conversions

## Conversions Part 2

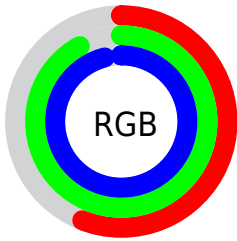
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">143, 191, 245</a>
Decimal	<a href="#">9432053</a>
CIELab	<a href="#">87.90, -24.91, -13.46</a>
CIELCh	<a href="#">88, 28.311, 208.385</a>
Yxy	<a href="#">71.8489, 0.2538, 0.3171</a>
Android (android.graphics.Color)	<a href="#">4287622133 (0xFF8FEBF5)</a>
YUV	<a href="#">208.6320, 17.9294, -57.5593</a>
Hunter-Lab	<a href="#">84.7637, -27.2131, -8.6703</a>

# Details

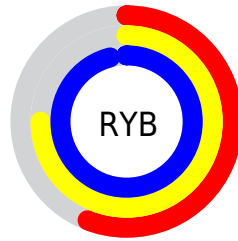
The XYZ color **57.5175, 71.8489, 97.2229** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.0066, 44.1793, 31.6695**, and the grayscale version is **60.2806, 63.4199, 69.0643**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **29.0517, 37.8456, 53.9179** is the 20% darker color. If you saturate the color by 10%, you get **53.0481, 68.5327, 96.8196**, and if you desaturate by 10%, it is **62.9266, 75.6667, 97.6760**.

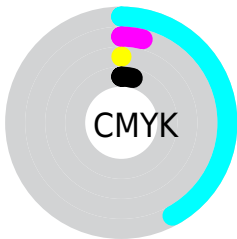
# Distribution



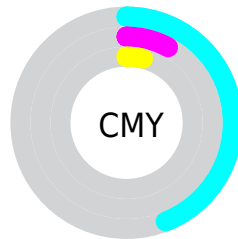
- Red (56%)
- Green (92%)
- Blue (96%)



- Red (56%)
- Yellow (75%)
- Blue (96%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)




- Cyan (44%)
- Magenta (8%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5175, 71.8489, 97.2229 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 57.5175, 71.8489, 97.2229 by changing the saturation by 10% instead.





 57.5175, 71.8489,  
97.2229

 57.5175, 71.8489,  
97.2229


405.3685,  
467.0155, 572.4223

 41.6626, 53.0353,  
73.3794


 100.3469,  
121.8417, 159.3540

 29.0272, 37.8309,  
53.7925


 128.0521,  
153.7896, 198.4786

 19.2458, 25.8515,  
38.0438


160.4382,  
190.8844, 243.5341

 11.9530, 16.7126,  
25.7146

197.8705,  
233.5105, 294.9389

 6.7837, 10.0298,  
16.3864

240.7143,  
282.0523, 353.1115

 3.3723, 5.4187,  
9.6407

289.3350,

 1.3536, 2.4950,

336.8941, 418.4706

5.0589

344.0980,  
398.4204, 491.4347

■ 0.2228, 0.8741,  
2.2225

■ 0.0000, 0.0000,  
0.6873

■ 57.5175, 71.8489,  
97.2229

■ 57.5175, 71.8489,  
97.2229

■ 53.0481, 68.5327,  
96.8196

■ 62.9266, 75.6667,  
97.6760

■ 49.4510, 65.6782,  
96.4582

■ 69.3245, 80.0064,  
98.1764

■ 46.6602, 63.2530,  
96.1372

■ 76.7643, 84.8971,  
98.7283

■ 44.5970, 61.2166,  
95.8529

■ 85.2936, 90.3634,  
99.3338

■ 43.1673, 59.5204,  
95.6008

■ 90.9859, 94.3811,  
99.8093

■ 42.3347, 58.2987,  
95.4089

■ 91.7251, 95.8595,  
100.0557

■ 92.4737, 97.3568,  
100.3053

■ 93.2319, 98.8732,  
100.5580

■ 93.4817, 99.3727,  
100.6413

# Harmonies

## Analogous

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



56.1444, 71.8489, 77.1902



57.5175, 71.8489, 97.2229



61.7232, 71.8489, 114.2615

# Triad

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



57.5175, 71.8489, 97.2229



79.9243, 71.8489, 99.3316



68.6560, 71.8489, 46.7022

# Complementary

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



57.5175, 71.8489, 97.2229



54.0066, 44.1793, 31.6695

# 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.



75.3073, 71.8489, 50.7040



57.5175, 71.8489, 97.2229



82.0723, 71.8489, 79.2816

# Square

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



57.5175, 71.8489, 97.2229



74.6343, 71.8489, 115.6129



80.3305, 71.8489, 61.8894



62.3163, 71.8489, 49.9249

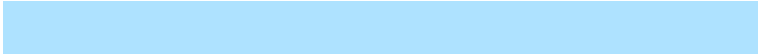


# Rectangle

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



57.5175, 71.8489, 97.2229



65.7155, 71.8489, 120.4799



80.3305, 71.8489, 61.8894



70.9313, 71.8489, 47.2323

# Sweetspot

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



57.5197, 71.8517, 97.2246



83.7252, 92.7525, 108.0980



49.6084, 73.3966, 41.0458



17.6794, 19.6959, 23.1198



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

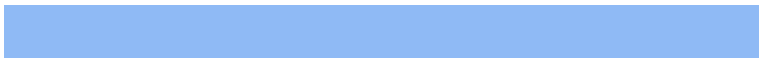
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.5197, 71.8517, 97.2246



58.7790, 75.5745, 106.0971



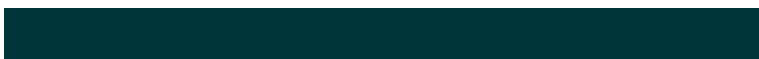
45.2647, 47.3417, 93.1396



16.8498, 18.4638, 21.2184



22.8638, 31.5214, 51.4172



2.0490, 2.8494, 4.5322



# Inverse Universe

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



62.4759, 45.0575, 84.0044



64.9968, 43.0093, 89.2767



63.8537, 63.8735, 34.9519



17.1395, 16.7387, 20.4811



27.3451, 13.2815, 38.1212

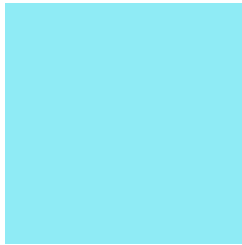


2.4233, 1.1753, 3.4554



# Previews

## White Background



This preview shows how the XYZ color 57.5175, 71.8489, 97.2229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

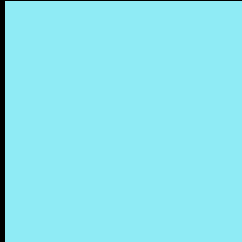
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5175, 71.8489, 97.2229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

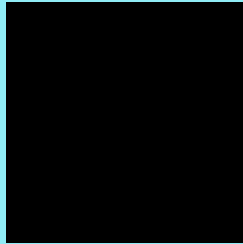
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.5175, 71.8489, 97.2229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5175, 71.8489, 97.2229.



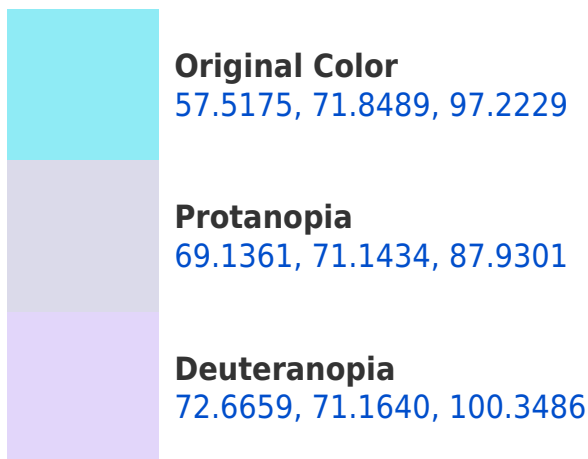
This preview shows how white text looks on a background with the XYZ color 57.5175, 71.8489,



# 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

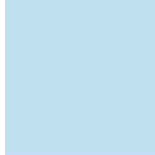
58.8295, 71.9572, 103.7170

# Trichromacy



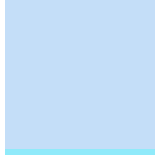
## Original Color

57.5175, 71.8489, 97.2229



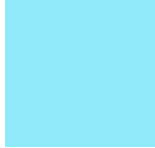
## Protanomaly

63.5741, 70.5607, 91.1578



## Deuteranomaly

65.8295, 70.7556, 98.9946



## Tritanomaly

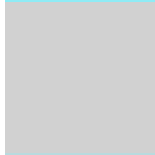
58.1797, 71.6771, 101.2111

# Monochromacy



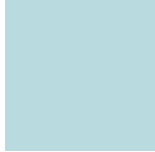
## Original Color

57.5175, 71.8489, 97.2229



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.2638, 65.7310, 78.7238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5175, 71.8489, 97.2229 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(143, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(143, 235, 245)  
}
```

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(143, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 235, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5175, 71.8489, 97.2229 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(143, 235, 245) }
```



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

```
.border{ border-color:rgb(143, 235, 245) }
```

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

Here you see how a box with a 4 pixel rgb(143, 235, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(143, 235,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5175, 71.8489, 97.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 235, 245) }
```

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

```
.background{ background-color: rgb(143,  
235, 245) }
```

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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