

# Converting Colors

XYZ(56.0344, 72.2979, 45.4083)

Have a look what the booklet for  
XYZ(56.0344, 72.2979, 45.4083)  
contains.

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# Color

**XYZ(55.9971, 72.2156,  
45.1701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EBA2
RGB	184, 235, 162
RGB Percent	72%, 92%, 64%
CMY	0.2784, 0.0784, 0.3647
CMYK	0.22, 0.00, 0.31, 0.08
HSL	102°, 65%, 78%
HSV	102°, 31%, 92%
XYZ	55.9971, 72.2156, 45.1701
YIQ	211.4290, -6.9630, -33.5150

# Conversions

## Conversions Part 2

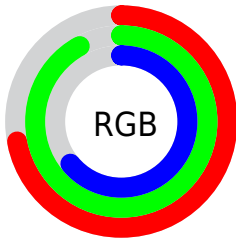
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">162, 235, 213</a>
Decimal	<a href="#">12118946</a>
CIELab	<a href="#">88.07, -29.43, 30.27</a>
CIELCh	<a href="#">88, 42.219, 134.190</a>
Yxy	<a href="#">72.2156, 0.3230, 0.4165</a>
Android (android.graphics.Color)	<a href="#">4290309026 (0xFFB8EBA2)</a>
YUV	<a href="#">211.4290, -24.3685, -24.0552</a>
Hunter-Lab	<a href="#">84.9798, -31.0927, 27.9709</a>

# Details

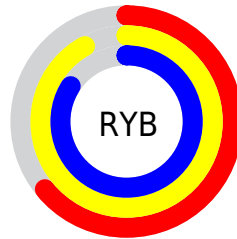
The XYZ color **55.9971, 72.2156, 45.1701** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.3593, 45.9870, 84.5597**, and the grayscale version is **62.3618, 65.6095, 71.4487**.

A 20% lighter version of the original color is **84.5600, 95.2305, 79.5702**, and **28.1405, 38.1118, 20.6250** is the 20% darker color. If you saturate the color by 10%, you get **50.3932, 69.5481, 35.0038**, and if you desaturate by 10%, it is **62.4516, 75.2808, 57.4169**.

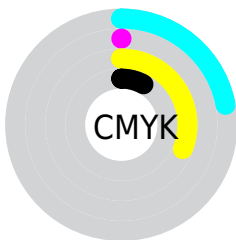
# Distribution



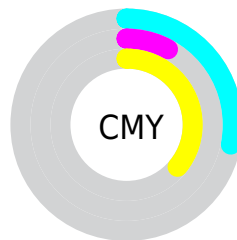
- Red (72%)
- Green (92%)
- Blue (64%)



- Red (64%)
- Yellow (92%)
- Blue (84%)



- Cyan (22%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)




- Cyan (28%)
- Magenta (8%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9971, 72.2156, 45.1701 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 55.9971, 72.2156, 45.1701 by changing the saturation by 10% instead.





 55.9971, 72.2156,  
45.1701


 55.9971, 72.2156,  
45.1701


399.7558,  
468.2917, 383.6422

 40.4376, 53.3348,  
31.2475


 98.1402, 122.3630,  
84.2968

 28.0656, 38.0701,  
20.5273


 125.4544,  
154.3984, 110.3379

 18.5158, 26.0371,  
12.5911


157.4177,  
191.5875, 141.2556

 11.4229, 16.8514,  
7.0202

194.3952,  
234.3146, 177.4685

 6.4214, 10.1286,  
3.3961

236.7525,  
282.9642, 219.3951

 3.1461, 5.4843,  
1.3003


284.8547,

 1.2315, 2.5341,


337.9207, 267.4539


0.0620


339.0674,  
399.5684, 322.0634


 0.1310, 0.8937,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.9971, 72.2156,  
45.1701


 55.9971, 72.2156,  
45.1701


 50.3932, 69.5481,  
35.0038


 62.4516, 75.2808,  
57.4169


 45.5972, 67.2523,  
26.7978

 69.7861, 78.7501,  
71.8460

 41.5704, 65.3132,  
20.4269

 78.0354, 82.6414,  
88.5582

 38.2687, 63.7113,  
15.7494

 87.0682, 86.9038,  
106.7929

■ 35.6427, 62.4245,  
12.6030

■ 88.9998, 87.8995,  
106.8833

■ 33.6359, 61.4279,  
10.7934

■ 32.2948, 60.7522,  
10.0242

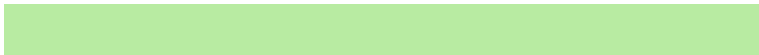
# Harmonies

## Analogous

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



63.9968, 72.2156, 36.1627



55.9971, 72.2156, 45.1701



51.6297, 72.2156, 64.4576

# Triad

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



55.9971, 72.2156, 45.1701



63.4930, 72.2156, 145.0350



89.1937, 72.2156, 65.7945

# Complementary

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



55.9971, 72.2156, 45.1701



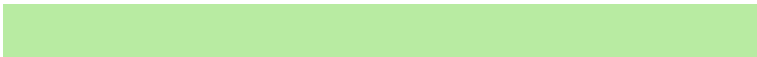
55.3593, 45.9870, 84.5597

# 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.



89.0249, 72.2156, 94.7421



55.9971, 72.2156, 45.1701



73.4999, 72.2156, 145.6468

# Square

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



55.9971, 72.2156, 45.1701



55.6595, 72.2156, 124.0095



83.0528, 72.2156, 125.5191



83.4935, 72.2156, 45.9413



# Rectangle

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



55.9971, 72.2156, 45.1701



51.0682, 72.2156, 82.7558



83.0528, 72.2156, 125.5191



89.8377, 72.2156, 74.6447

# Sweetspot

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



55.9990, 72.2187, 45.1717



85.9176, 95.6938, 90.3236



64.2998, 67.3025, 43.7852



18.0923, 20.3419, 18.7362



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

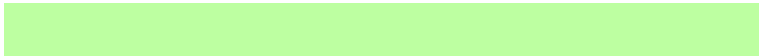


# Same Dimension

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



55.9990, 72.2187, 45.1717



63.1687, 84.9101, 46.6166



52.3864, 70.2115, 51.5477



15.2951, 17.0821, 16.0098



18.0855, 33.8679, 5.5840



1.5143, 2.7080, 0.4429



# Inverse Universe

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



55.3593, 45.9870, 84.5597



62.2764, 48.8484, 100.7541



60.3174, 48.7582, 75.0735



15.2473, 15.0728, 19.0280



17.0226, 7.8114, 44.3535



1.4332, 0.6631, 3.4873



# Previews

## White Background



This preview shows how the XYZ color 55.9971, 72.2156, 45.1701 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 55.9971, 72.2156, 45.1701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

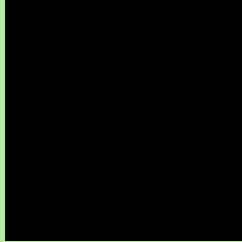
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.9971, 72.2156, 45.1701

## Background



This preview shows how black text looks on a background with the XYZ color 55.9971, 72.2156, 45.1701.



This preview shows how white text looks on a background with the XYZ color 55.9971, 72.2156,



# 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

55.9971, 72.2156, 45.1701

### Protanopia

66.8538, 71.7638, 41.7807

### Deuteranopia

72.4235, 71.4030, 50.0094



## Tritanopia

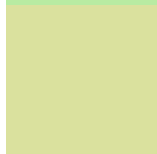
66.1288, 72.1918, 95.2431

# Trichromacy



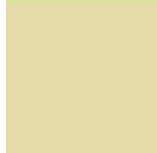
## Original Color

55.9971, 72.2156, 45.1701



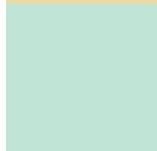
## Protanomaly

62.0102, 71.2245, 42.8272



## Deuteranomaly

65.1620, 70.7467, 48.2513



## Tritanomaly

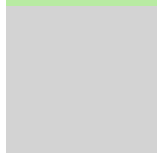
61.8951, 72.1001, 74.2728

# Monochromacy



## Original Color

55.9971, 72.2156, 45.1701



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.3062, 67.4542, 60.3463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9971, 72.2156, 45.1701 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(184, 235, 162)` looks like.

```
.text, #text, p{  
    color:rgb(184, 235, 162)  
}
```

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(184, 235, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 235, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9971, 72.2156, 45.1701 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(184, 235, 162) }
```



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

```
.border{ border-color:rgb(184, 235, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 235, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 235, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 235, 162);  
box-shadow:4px 4px 4px 4px rgb(184, 235,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9971, 72.2156, 45.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 235, 162) }
```

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

```
.background{ background-color: rgb(184,  
235, 162) }
```

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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