

Converting Colors

XYZ(55.4263, 72.4636, 41.4313)

Have a look what the booklet for
XYZ(55.4263, 72.4636, 41.4313)
contains.

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Color

**XYZ(55.3566, 72.3913,
41.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EC9A
RGB	183, 236, 154
RGB Percent	72%, 93%, 60%
CMY	0.2824, 0.0745, 0.3961
CMYK	0.22, 0.00, 0.35, 0.07
HSL	99°, 68%, 76%
HSV	99°, 35%, 93%
XYZ	55.3566, 72.3913, 41.6272
YIQ	210.8050, -5.2660, -36.7380

Conversions

Conversions Part 2

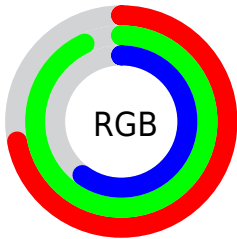
Format	Color
RYB	154, 236, 207
Decimal	12053658
CIELab	88.16, -31.40, 34.42
CIElCh	88, 46.591, 132.366
Yxy	72.3913, 0.3268, 0.4274
Android (android.graphics.Color)	4290243738 (0xFFB7EC9A)
YUV	210.8050, -28.0049, -24.3850
Hunter-Lab	85.0831, -32.7600, 30.5503

Details

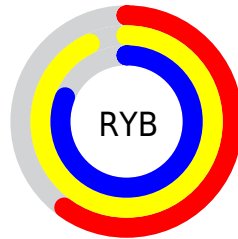
The XYZ color **55.3566, 72.3913, 41.6272** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.4313, 42.4349, 84.7882**, and the grayscale version is **61.9712, 65.1986, 71.0013**.

A 20% lighter version of the original color is **83.2038, 94.6487, 74.2053**, and **27.6216, 38.1910, 18.4862** is the 20% darker color. If you saturate the color by 10%, you get **50.1476, 69.9134, 32.1124**, and if you desaturate by 10%, it is **61.3491, 75.2328, 53.1988**.

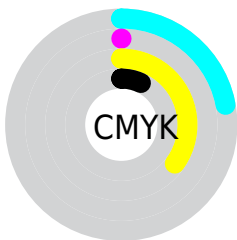
Distribution



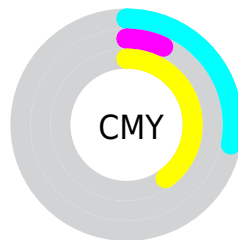
- Red (72%)
- Green (93%)
- Blue (60%)



- Red (60%)
- Yellow (93%)
- Blue (81%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)



- Cyan (28%)
- Magenta (7%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3566, 72.3913, 41.6272 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 55.3566, 72.3913, 41.6272 by changing the saturation by 10% instead.

■ 55.3566, 72.3913,
41.6272

■ 55.3566, 72.3913,
41.6272

397.3767,
468.9024, 368.6892

■ 39.9223, 53.4784,
28.4861

■ 97.2085, 122.6127,
78.8991

■ 27.6619, 38.1848,
18.4502

■ 124.3568,
154.6900, 103.8669

■ 18.2101, 26.1261,
11.1009

156.1405,
191.9241, 133.6142

■ 11.2015, 16.9180,
6.0197

192.9249,
234.6996, 168.5592

■ 6.2708, 10.1761,
2.7881

235.0753,
283.4008, 209.1207

■ 3.0527, 5.5159,
0.9875


282.9572,

■ 1.1817, 2.5530,


338.4121, 255.7172


0.0000


336.9359,
400.1178, 308.7672


 0.0918, 0.9031,
0.0000


 0.0000, 0.0000,
0.0000


 55.3566, 72.3913,
41.6272


 55.3566, 72.3913,
41.6272


 50.1476, 69.9134,
32.1124


 61.3491, 75.2328,
53.1988

 45.6813, 67.7741,
24.5293

 68.1523, 78.4431,
66.9330

 41.9213, 65.9599,
18.7464

 75.7990, 82.0389,
82.9342

 38.8254, 64.4521,
14.6140

 84.3182, 86.0330,
101.2984

■ 36.3459, 63.2301,
11.9581

■ 89.2870, 88.4739,
106.9790

■ 34.4268, 62.2696,
10.5655

■ 33.6046, 61.8537,
10.1678

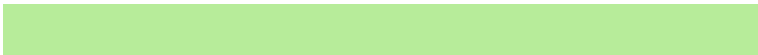
Harmonies

Analogous

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



64.3195, 72.3913, 32.7995



55.3566, 72.3913, 41.6272



50.3434, 72.3913, 61.6591

Triad

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



55.3566, 72.3913, 41.6272



62.5182, 72.3913, 152.9359



91.9230, 72.3913, 66.4001

Complementary

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



55.3566, 72.3913, 41.6272



52.4313, 42.4349, 84.7882

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.



91.3062, 72.3913, 98.9059



55.3566, 72.3913, 41.6272



73.4959, 72.3913, 155.2177

Square

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



55.3566, 72.3913, 41.6272



54.1609, 72.3913, 127.8117



84.2739, 72.3913, 133.3947



85.8778, 72.3913, 44.2872

Rectangle

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



55.3566, 72.3913, 41.6272



49.5451, 72.3913, 81.3815



84.2739, 72.3913, 133.3947



92.5049, 72.3913, 76.3164

Sweetspot

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



55.3584, 72.3944, 41.6288



85.4066, 95.4719, 88.4218



62.4830, 64.2795, 39.6869



18.0083, 20.3069, 18.3582



0.0000, 0.0000, 0.0000



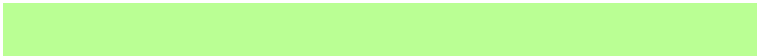
20.3446, 21.4041, 23.3091

Same Dimension

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



55.3584, 72.3944, 41.6288



61.2919, 84.0656, 40.9714



50.1096, 69.5785, 46.3558



15.3709, 17.1212, 16.0133



18.6499, 34.1588, 5.6104



1.5656, 2.7344, 0.4453

Inverse Universe

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



52.4313, 42.4349, 84.7882



57.2773, 43.1397, 99.9157



59.7502, 46.3859, 77.0895



15.1680, 15.0319, 19.0243



15.6854, 7.1220, 44.2909



1.3354, 0.6127, 3.4828

Previews

White Background



This preview shows how the XYZ color 55.3566, 72.3913, 41.6272 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 55.3566, 72.3913, 41.6272 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

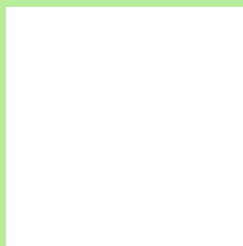
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.3566, 72.3913, 41.6272

Background



This preview shows how black text looks on a background with the XYZ color 55.3566, 72.3913, 41.6272.



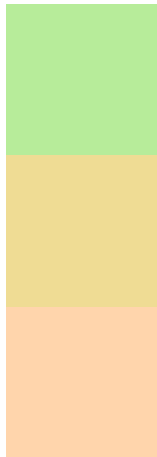
This preview shows how white text looks on a background with the XYZ color 55.3566, 72.3913,

41.6272.

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

55.3566, 72.3913, 41.6272

Protanopia

66.5351, 71.6752, 38.3449

Deuteranopia

72.4806, 71.8271, 49.0736



Tritanopia

66.1288, 72.1918, 95.2431

Trichromacy



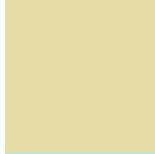
Original Color

55.3566, 72.3913, 41.6272



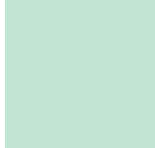
Protanomaly

61.9148, 71.6548, 39.4217



Deuteranomaly

64.9611, 71.0875, 45.8948



Tritanomaly

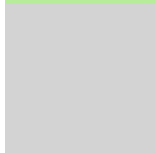
61.5154, 71.9482, 72.2732

Monochromacy



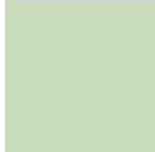
Original Color

55.3566, 72.3913, 41.6272



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.9749, 67.3216, 58.6013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3566, 72.3913, 41.6272 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(183, 236, 154)` looks like.

```
.text, #text, p{  
    color:rgb(183, 236, 154)  
}
```

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(183, 236, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 236, 154) }
```

Border

The CSS property to change the border of an element to XYZ 55.3566, 72.3913, 41.6272 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(183, 236, 154) }
```


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

```
.border{ border-color:rgb(183, 236, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 236, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 236, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 236, 154);  
box-shadow:4px 4px 4px 4px rgb(183, 236,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3566, 72.3913, 41.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 236, 154) }
```

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

```
.background{ background-color: rgb(183,  
236, 154) }
```

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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