

Converting Colors

XYZ(56.1318, 72.4391, 38.2178)

Have a look what the booklet for
XYZ(56.1318, 72.4391, 38.2178)
contains.

XYZ(56.1318, 72.4391, 38.2178)	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(56.1318, 72.4391,
38.2178)**

Conversions

Conversions Part 1

Format	Color
Hex	BEEB92
RGB	190, 235, 146
RGB Percent	75%, 92%, 57%
CMY	0.2549, 0.0784, 0.4274
CMYK	0.19, 0.00, 0.38, 0.08
HSL	90°, 69%, 75%
HSV	90°, 38%, 92%
XYZ	56.1318, 72.4391, 38.2178
YIQ	211.3990, 1.7490, -37.2190

Conversions

Conversions Part 2

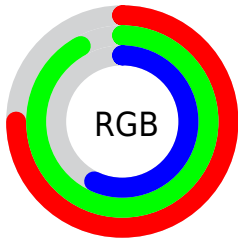
Format	Color
RYB	146, 235, 191
Decimal	12512146
CIELab	88.18, -29.55, 38.54
CIELCh	88, 48.567, 127.483
Yxy	72.4391, 0.3365, 0.4343
Android (android.graphics.Color)	4290702226 (0xFFBEEB92)
YUV	211.3990, -32.2417, -18.7669
Hunter-Lab	85.1112, -31.2217, 32.9546

Details

The XYZ color **56.1318, 72.4391, 38.2178** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.7632, 37.6344, 83.4007**, and the grayscale version is **62.3883, 65.6373, 71.4791**.

A 20% lighter version of the original color is **84.6604, 95.5112, 69.2318**, and **28.1322, 38.1992, 16.4801** is the 20% darker color. If you saturate the color by 10%, you get **51.6408, 70.3161, 29.4265**, and if you desaturate by 10%, it is **61.2442, 74.8435, 49.0025**.

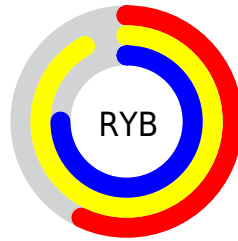
Distribution



Red (75%)

Green (92%)

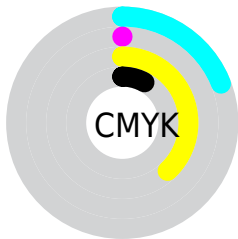
Blue (57%)



Red (57%)

Yellow (92%)

Blue (75%)

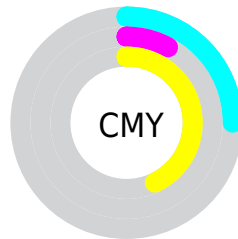


Cyan (19%)

Magenta (0%)

Yellow (38%)

Black (8%)



Cyan (25%)


Magenta (8%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1318, 72.4391, 38.2178 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 56.1318, 72.4391, 38.2178 by changing the saturation by 10% instead.


 56.1318, 72.4391,
38.2178


 56.1318, 72.4391,
38.2178


400.2550,
469.0685, 353.8795

 40.5460, 53.5174,
25.8486


 98.3359, 122.6806,
73.6490

 28.1506, 38.2160,
16.4857


 125.6850,
154.7693, 97.5480

 18.5803, 26.1504,
9.7104

157.6859,
192.0157, 126.1275

 11.4696, 16.9362,
5.1043

194.7040,
234.8043, 159.8059

 6.4532, 10.1890,
2.2488

237.1046,
283.5195, 199.0018

 3.1658, 5.5244,
0.7023


285.2530,

 1.2421, 2.5581,


338.5457, 244.1336


0.0000


339.5147,
400.2672, 295.6200


 0.1392, 0.9057,
0.0000


 0.0000, 0.0000,
0.0000


 56.1318, 72.4391,
38.2178


 56.1318, 72.4391,
38.2178


 51.6408, 70.3161,
29.4265


 61.2442, 74.8435,
49.0025


 47.7370, 68.4528,
22.5015

 66.9994, 77.5312,
61.8879

 44.3903, 66.8390,
17.3085

 73.4242, 80.5159,
76.9792

 41.5654, 65.4598,
13.6932

 80.5421, 83.8077,
94.3732

■ 39.2212, 64.2981,
11.4738

■ 86.9754, 86.8560,
106.7885

■ 37.3040, 63.3314,
10.4016

■ 88.9998, 87.8997,
106.8833

■ 36.9353, 63.1445,
10.2414

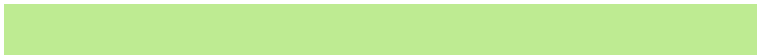
Harmonies

Analogous

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



65.9826, 72.4391, 30.9251



56.1318, 72.4391, 38.2178



50.2074, 72.4391, 56.8217

Triad

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



56.1318, 72.4391, 38.2178



60.6454, 72.4391, 153.9682



93.4611, 72.4391, 70.8316

Complementary

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



56.1318, 72.4391, 38.2178



46.7632, 37.6344, 83.4007

Split Complementary

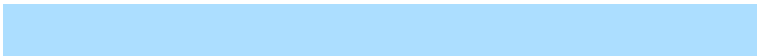
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6187, 72.4391, 106.0002



56.1318, 72.4391, 38.2178



71.8018, 72.4391, 160.8351

Square

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



56.1318, 72.4391, 38.2178



52.6016, 72.4391, 124.5650



83.3600, 72.4391, 141.3169



88.1438, 72.4391, 45.9950

Rectangle

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



56.1318, 72.4391, 38.2178



48.8574, 72.4391, 76.0974



83.3600, 72.4391, 141.3169



93.6681, 72.4391, 81.7171

Sweetspot

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



56.1336, 72.4423, 38.2194



85.8312, 95.7317, 86.5912



57.9740, 56.7840, 35.1000



18.1433, 20.3846, 17.9957



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.



56.1336, 72.4423, 38.2194



63.5317, 85.2879, 38.0214



46.7529, 67.6063, 37.7804



15.5775, 17.2278, 16.0230



20.7021, 35.2168, 5.7064



1.7365, 2.8225, 0.4533

Inverse Universe

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



46.7632, 37.6344, 83.4007



50.8257, 38.0924, 99.2815



59.5381, 44.2201, 83.9986



14.9572, 14.9232, 19.0144



12.7144, 5.5904, 44.1519



1.1094, 0.4962, 3.4722

Previews

White Background



This preview shows how the XYZ color 56.1318, 72.4391, 38.2178 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 56.1318, 72.4391, 38.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

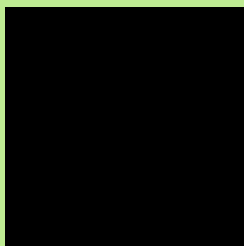
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1318, 72.4391, 38.2178

Background



This preview shows how black text looks on a background with the XYZ color 56.1318, 72.4391, 38.2178.

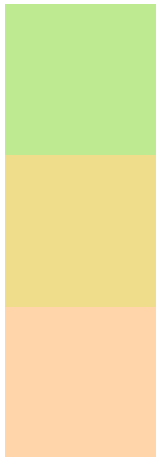


This preview shows how white text looks on a background with the XYZ color 56.1318, 72.4391,

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

56.1318, 72.4391, 38.2178

Protanopia

66.5253, 72.1316, 35.2275

Deuteranopia

72.1957, 71.7131, 47.5730



Tritanopia

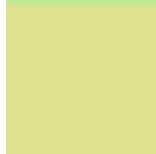
67.1667, 71.9636, 93.5694

Trichromacy



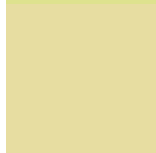
Original Color

56.1318, 72.4391, 38.2178



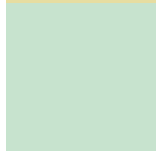
Protanomaly

62.2030, 71.8753, 36.1861



Deuteranomaly

65.2445, 71.2750, 44.0369



Tritanomaly

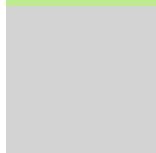
62.1629, 71.5365, 68.9241

Monochromacy



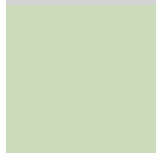
Original Color

56.1318, 72.4391, 38.2178



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.1914, 67.4708, 56.9171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1318, 72.4391, 38.2178 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(190, 235, 146)` looks like.

```
.text, #text, p{  
    color:rgb(190, 235, 146)  
}
```

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(190, 235, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 235, 146) }
```

Border

The CSS property to change the border of an element to XYZ 56.1318, 72.4391, 38.2178 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(190, 235, 146) }
```


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

```
.border{ border-color:rgb(190, 235, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 235, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 235, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 235, 146);  
box-shadow:4px 4px 4px 4px rgb(190, 235,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1318, 72.4391, 38.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 235, 146) }
```

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

```
.background{ background-color: rgb(190,  
235, 146) }
```

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