

Converting Colors

XYZ(56.2920, 73.4163, 59.0516)

Have a look what the booklet for
XYZ(56.2920, 73.4163, 59.0516)
contains.

XYZ(56.2292, 73.3260, 58.7667)	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(56.2292, 73.3260,
58.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEEBC
RGB	170, 238, 188
RGB Percent	67%, 93%, 74%
CMY	0.3333, 0.0666, 0.2627
CMYK	0.29, 0.00, 0.21, 0.07
HSL	136°, 67%, 80%
HSV	136°, 29%, 93%
XYZ	56.2292, 73.3260, 58.7667
YIQ	211.9680, -24.4780, -29.9660

Conversions

Conversions Part 2

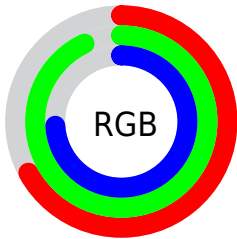
Format	Color
RYB	170, 224, 238
Decimal	11202236
CIELab	88.60, -31.14, 17.51
CIELCh	89, 35.724, 150.645
Yxy	73.3260, 0.2986, 0.3894
Android (android.graphics.Color)	4289392316 (0xFFAAEEBC)
YUV	211.9680, -11.8162, -36.8059
Hunter-Lab	85.6306, -32.6418, 19.2518

Details

The XYZ color **56.2292, 73.3260, 58.7667** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5554, 52.0955, 74.4716**, and the grayscale version is **62.6474, 65.9099, 71.7759**.

A 20% lighter version of the original color is **83.7677, 94.3825, 99.3906**, and **28.3036, 38.9182, 28.9419** is the 20% darker color. If you saturate the color by 10%, you get **49.7690, 70.2027, 49.2068**, and if you desaturate by 10%, it is **63.8535, 77.0272, 69.5784**.

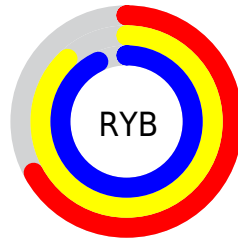
Distribution



Red (67%)

Green (93%)

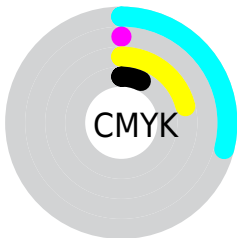
Blue (74%)



Red (67%)

Yellow (88%)

Blue (93%)

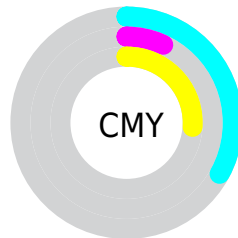


Cyan (29%)

Magenta (0%)

Yellow (21%)

Black (7%)



Cyan (33%)

Magenta (7%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2292, 73.3260, 58.7667 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 56.2292, 73.3260, 58.7667 by changing the saturation by 10% instead.

■ 56.2292, 73.3260,
58.7667

■ 56.2292, 73.3260,
58.7667

400.6157,
472.1439, 437.7146

■ 40.6244, 54.2426,
42.0066

■ 98.4775, 123.9399,
104.5643

■ 28.2121, 38.7956,
28.7808

125.8517,
156.2392, 134.4388

■ 18.6269, 26.6008,
18.6709

157.8798,
193.7125, 169.5219

■ 11.5034, 17.2736,
11.2583

194.9271,
236.7443, 210.2321

■ 6.4763, 10.4298,
6.1245

237.3590,
285.7189, 256.9879

■ 3.1802, 5.6848,
2.8509


285.5408,

■ 1.2497, 2.6544,


341.0208, 310.2079


1.0190


339.8380,
403.0343, 370.3106


 0.1451, 0.9541,
0.0000


 0.0000, 0.0000,
0.0000


 56.2292, 73.3260,
58.7667


 56.2292, 73.3260,
58.7667


 49.7690, 70.2027,
49.2068


 63.8535, 77.0272,
69.5784


 44.4087, 67.6187,
40.8486

 72.6903, 81.3240,
81.6801

 40.0865, 65.5455,
33.6457

 82.7924, 86.2449,
95.1141

 36.7320, 63.9477,
27.5468

 89.8660, 89.6319,
107.1720

■ 34.2657, 62.7855,
22.4966

■ 32.5945, 62.0122,
18.4351

■ 31.5871, 61.5613,
15.2948

■ 31.4732, 61.5108,
14.9166

Harmonies

Analogous

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



61.5865, 73.3260, 45.5821



56.2292, 73.3260, 58.7667



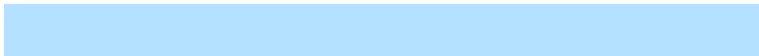
54.4067, 73.3260, 80.3749

Triad

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



56.2292, 73.3260, 58.7667



69.8808, 73.3260, 137.2984



84.9405, 73.3260, 58.0157

Complementary

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



56.2292, 73.3260, 58.7667



62.5554, 52.0955, 74.4716

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.



87.6065, 73.3260, 79.3066



56.2292, 73.3260, 58.7667



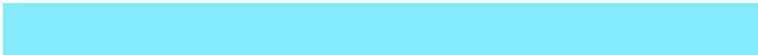
78.4839, 73.3260, 128.0095

Square

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



56.2292, 73.3260, 58.7667



61.8844, 73.3260, 128.7427



85.1535, 73.3260, 105.4293



78.1348, 73.3260, 45.2155

Rectangle

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



56.2292, 73.3260, 58.7667



55.3127, 73.3260, 97.7629



85.1535, 73.3260, 105.4293



86.3744, 73.3260, 64.2527

Sweetspot

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



56.2312, 73.3291, 58.7683



84.5059, 94.8646, 94.8419



67.6518, 79.4271, 49.7963



17.7474, 20.1393, 19.8393



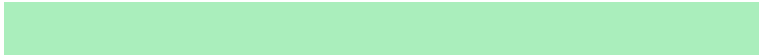
0.0000, 0.0000, 0.0000



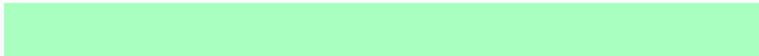
20.3446, 21.4041, 23.3091

Same Dimension

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



56.2312, 73.3291, 58.7683



61.4039, 83.6504, 62.3442



60.2055, 74.9188, 79.6970



15.7377, 17.7251, 17.6416



17.6035, 34.3334, 8.5608



1.5042, 2.8721, 0.9214

Inverse Universe

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



62.5554, 52.0955, 74.4716



69.8707, 55.2052, 83.3546



58.6064, 50.5159, 53.6767



16.2652, 15.9558, 18.9529



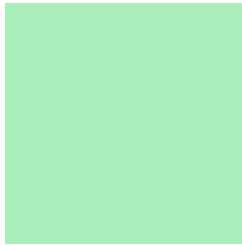
24.0447, 11.8903, 23.9498



2.0411, 1.0055, 2.2073

Previews

White Background



This preview shows how the XYZ color 56.2292, 73.3260, 58.7667 looks on a white background.

Color Contrast Check

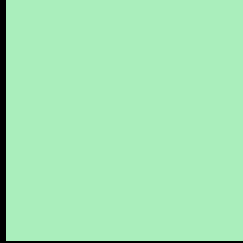
Large Text (above 18pt) WCAG AA × Fail

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 56.2292, 73.3260, 58.7667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

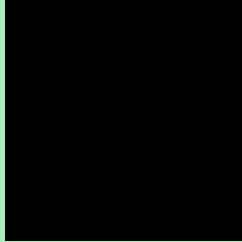
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2292, 73.3260, 58.7667

Background



This preview shows how black text looks on a background with the XYZ color 56.2292, 73.3260, 58.7667.



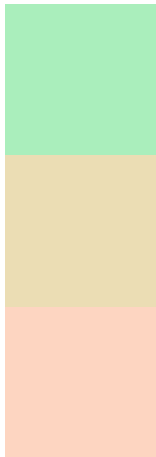
This preview shows how white text looks on a background with the XYZ color 56.2292, 73.3260, 58.7667.

58.7667.

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

56.2292, 73.3260, 58.7667

Protanopia

68.3556, 72.6704, 53.6041

Deuteranopia

73.9279, 72.3214, 60.5151



Tritanopia

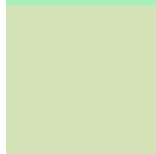
64.5315, 73.3160, 99.5572

Trichromacy



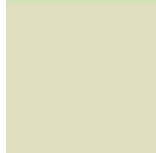
Original Color

56.2292, 73.3260, 58.7667



Protanomaly

62.8803, 72.2060, 55.4227



Deuteranomaly

65.9567, 71.6921, 59.6519



Tritanomaly

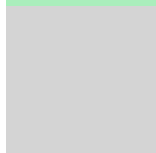
61.2265, 73.2338, 82.8601

Monochromacy



Original Color

56.2292, 73.3260, 58.7667



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.6619, 67.8950, 66.4604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2292, 73.3260, 58.7667 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(170, 238, 188)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 188)  
}
```

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(170, 238, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 188) }
```

Border

The CSS property to change the border of an element to XYZ 56.2292, 73.3260, 58.7667 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(170, 238, 188) }
```


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

```
.border{ border-color:rgb(170, 238, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 238, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 188);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2292, 73.3260, 58.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 188) }
```

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

```
.background{ background-color: rgb(170,  
238, 188) }
```

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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