

Converting Colors

XYZ(55.3705, 69.9365, 76.2535)

Have a look what the booklet for
XYZ(55.3705, 69.9365, 76.2535)
contains.

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Color

**XYZ(55.2856, 69.8911,
76.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE8D9
RGB	157, 232, 217
RGB Percent	62%, 91%, 85%
CMY	0.3843, 0.0902, 0.1490
CMYK	0.32, 0.00, 0.06, 0.09
HSL	168°, 62%, 76%
HSV	168°, 32%, 91%
XYZ	55.2856, 69.8911, 76.2221
YIQ	207.8650, -39.8850, -20.5650

Conversions

Conversions Part 2

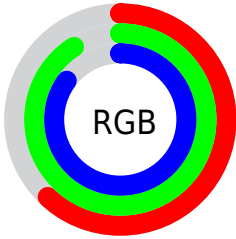
Format	Color
RYB	157, 199, 232
Decimal	10348761
CIELab	86.94, -26.35, -0.10
CIELCh	87, 26.345, 180.207
Yxy	69.8911, 0.2745, 0.3470
Android (android.graphics.Color)	4288538841 (0xFF9DE8D9)
YUV	207.8650, 4.5036, -44.6086
Hunter-Lab	83.6009, -28.2588, 4.4637

Details

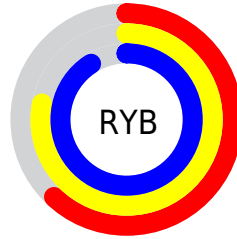
The XYZ color **55.2856, 69.8911, 76.2221** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.7845, 44.2501, 44.7915**, and the grayscale version is **59.8586, 62.9759, 68.5808**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **27.5264, 36.4841, 39.7738** is the 20% darker color. If you saturate the color by 10%, you get **50.5871, 67.5395, 72.8965**, and if you desaturate by 10%, it is **60.8645, 72.6982, 79.6805**.

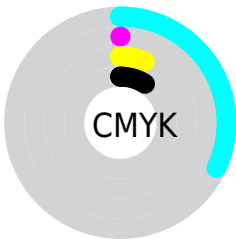
Distribution



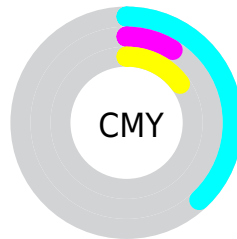
- Red (62%)
- Green (91%)
- Blue (85%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (38%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2856, 69.8911, 76.2221 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 55.2856, 69.8911, 76.2221 by changing the saturation by 10% instead.


 55.2856, 69.8911,
76.2221


 55.2856, 69.8911,
76.2221


397.1125,
460.1675, 501.4747

 39.8652, 51.4378,
56.1069


 97.1052, 119.0534,
129.8038

 27.6172, 36.5571,
39.8841

 124.2350,
150.5312, 164.1073

 18.1763, 24.8648,
27.1351


155.9987,
187.1193, 203.9774

 11.1771, 15.9763,
17.4414

192.7616,
229.2020, 249.8326

 6.2542, 9.5074,
10.3844

234.8891,
277.1638, 302.0913

 3.0424, 5.0736,
5.5456


282.7465,


 1.1762, 2.2905,


331.3891, 361.1722


2.5065


336.6992,
392.2622, 427.4939


 0.0875, 0.7687,
0.8436


 0.0000, 0.0000,
0.0000


 55.2856, 69.8911,
76.2221


 55.2856, 69.8911,
76.2221


 50.5871, 67.5395,
72.8965


 60.8645, 72.6982,
79.6805


 46.7141, 65.6097,
69.6959

 67.3629, 75.9755,
83.2699

 43.6148, 64.0769,
66.6187

 74.8247, 79.7475,
86.9943

 41.2290, 62.9099,
63.6614

 83.2893, 84.0345,
90.8564

■ 39.4872, 62.0731,
60.8199

■ 85.8566, 85.2792,
94.5339

■ 38.3059, 61.5233,
58.0896

■ 86.5559, 85.5589,
98.2161

■ 37.6779, 61.2437,
56.0650

■ 87.2729, 85.8457,
101.9918

■ 88.0078, 86.1397,
105.8618

■ 88.1479, 86.1957,
106.5993

Harmonies

Analogous

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



56.6808, 69.8911, 60.4733



55.2856, 69.8911, 76.2221



56.7193, 69.8911, 94.4542

Triad

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



55.2856, 69.8911, 76.2221



72.5623, 69.8911, 109.3028



72.4837, 69.8911, 50.3167

Complementary

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



55.2856, 69.8911, 76.2221



52.7845, 44.2501, 44.7915

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.



77.1889, 69.8911, 60.2914



55.2856, 69.8911, 76.2221



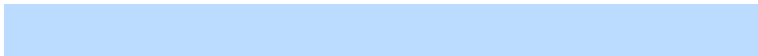
77.2361, 69.8911, 94.2093

Square

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



55.2856, 69.8911, 76.2221



66.4722, 69.8911, 115.2656



78.9783, 69.8911, 75.9771



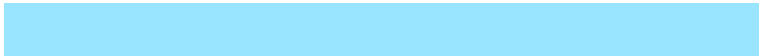
66.3866, 69.8911, 46.9935

Rectangle

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



55.2856, 69.8911, 76.2221



59.1406, 69.8911, 105.2199



78.9783, 69.8911, 75.9771



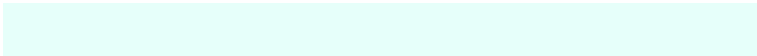
74.2938, 69.8911, 52.9185

Sweetspot

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



55.2876, 69.8939, 76.2237



85.4724, 95.1562, 104.2217



52.2335, 69.0632, 42.4770



18.0276, 20.2325, 22.1699



0.0000, 0.0000, 0.0000



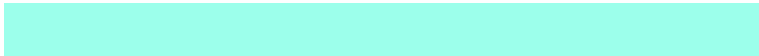
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2876, 69.8939, 76.2237



64.3942, 84.5474, 91.6036



51.7044, 59.4612, 85.0993



14.6774, 16.2844, 17.8319



20.9624, 34.0171, 31.3661



1.5806, 2.5263, 2.4837

Inverse Universe

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



52.7845, 44.2501, 44.7915



60.8346, 47.9988, 46.8444



55.3370, 51.5326, 38.9296



14.4943, 14.4149, 15.5372



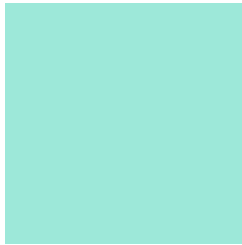
18.7890, 9.6498, 2.5179



1.4211, 0.7262, 0.3582

Previews

White Background



This preview shows how the XYZ color 55.2856, 69.8911, 76.2221 looks on a white background.

Color Contrast Check

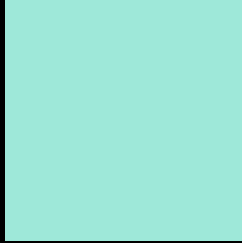
Large Text (above 18pt) WCAG AA × Fail

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 55.2856, 69.8911, 76.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

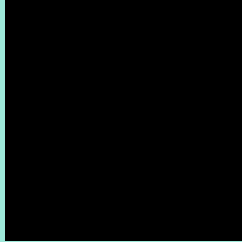
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

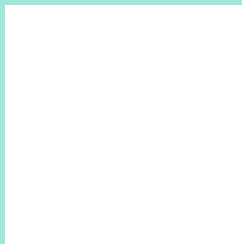
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.2856, 69.8911, 76.2221

Background



This preview shows how black text looks on a background with the XYZ color 55.2856, 69.8911, 76.2221.

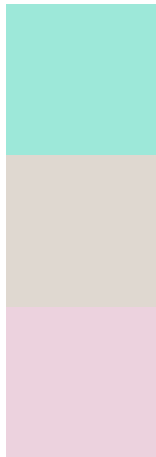


This preview shows how white text looks on a background with the XYZ color 55.2856, 69.8911,

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

55.2856, 69.8911, 76.2221

Protanopia

66.3725, 69.3538, 69.5629

Deuteranopia

70.8235, 69.2000, 78.7314



Tritanopia

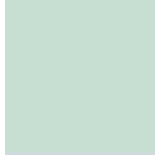
59.6878, 70.0331, 97.5606

Trichromacy



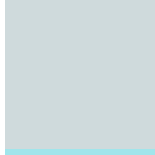
Original Color

55.2856, 69.8911, 76.2221



Protanomaly

61.4323, 69.0878, 71.7255



Deuteranomaly

63.7218, 68.5755, 77.5880



Tritanomaly

57.7126, 69.6138, 88.9923

Monochromacy



Original Color

55.2856, 69.8911, 76.2221



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.5570, 65.1477, 71.1692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2856, 69.8911, 76.2221 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(157, 232, 217)` looks like.

```
.text, #text, p{  
    color:rgb(157, 232, 217)  
}
```

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(157, 232, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 232, 217) }
```

Border

The CSS property to change the border of an element to XYZ 55.2856, 69.8911, 76.2221 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(157, 232, 217) }
```


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

```
.border{ border-color:rgb(157, 232, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 232, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(157, 232,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2856, 69.8911, 76.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 232, 217) }
```

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

```
.background{ background-color: rgb(157,  
232, 217) }
```

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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