

Converting Colors

XYZ(55.0975, 69.5579, 86.8653)

Have a look what the booklet for
XYZ(55.0975, 69.5579, 86.8653)
contains.

XYZ(55.0992, 69.5592, 86.8662)	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(55.0992, 69.5592,
86.8662)**

Conversions

Conversions Part 1

Format	Color
Hex	91E8E8
RGB	145, 232, 232
RGB Percent	57%, 91%, 91%
CMY	0.4314, 0.0902, 0.0902
CMYK	0.37, 0.00, 0.00, 0.09
HSL	180°, 65%, 74%
HSV	180°, 37%, 91%
XYZ	55.0992, 69.5592, 86.8662
YIQ	205.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

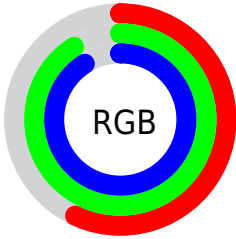
Format	Color
RYB	145, 189, 232
Decimal	9562344
CIELab	86.78, -26.11, -8.29
CIElCh	87, 27.394, 197.605
Yxy	69.5592, 0.2605, 0.3288
Android (android.graphics.Color)	4287752424 (0xFF91E8E8)
YUV	205.9870, 12.8244, -53.4856
Hunter-Lab	83.4022, -28.0287, -3.3711

Details

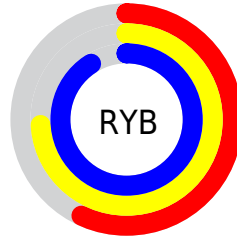
The XYZ color **55.0992, 69.5592, 86.8662** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.5174, 39.4530, 31.8487**, and the grayscale version is **58.6040, 61.6559, 67.1433**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **27.4816, 36.3091, 46.6342** is the 20% darker color. If you saturate the color by 10%, you get **51.4217, 67.6651, 86.6951**, and if you desaturate by 10%, it is **59.6156, 71.8892, 87.0796**.

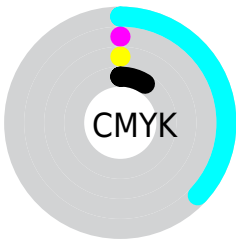
Distribution



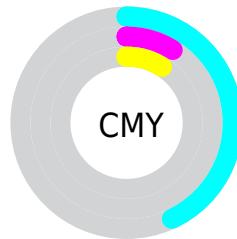
- Red (57%)
- Green (91%)
- Blue (91%)



- Red (57%)
- Yellow (74%)
- Blue (91%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (43%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0992, 69.5592, 86.8662 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 55.0992, 69.5592, 86.8662 by changing the saturation by 10% instead.


 55.0992, 69.5592,
86.8662


 55.0992, 69.5592,
86.8662

396.4181,
459.0008, 538.0879

 39.7153, 51.1673,
64.8255


 96.8338, 118.5799,
144.8749

 27.4999, 36.3417,
46.8691


 123.9151,
149.9775, 181.6799

 18.0875, 24.6982,
32.5786


155.6264,
186.4791, 224.2434

 11.1129, 15.8524,
21.5354

192.3329,
228.4690, 272.9840

 6.2107, 9.4198,
13.3209

234.3999,
276.3318, 328.3202

 3.0155, 5.0160,
7.5165

282.1929,

 1.1620, 2.2566,

330.4517, 390.6706

3.7039

336.0772,
391.2133, 460.4536

■ 0.0760, 0.7506,
1.4643

■ 0.0000, 0.0000,
0.1912

■ 55.0992, 69.5592,
86.8662

■ 55.0992, 69.5592,
86.8662

■ 51.4217, 67.6651,
86.6951

■ 59.6156, 71.8892,
87.0796

■ 48.5256, 66.1721,
86.5591

■ 65.0115, 74.6708,
87.3326

■ 46.3565, 65.0539,
86.4571

■ 71.3323, 77.9293,
87.6289

■ 44.8497, 64.2771,
86.3861

■ 78.6185, 81.6855,
87.9704

■ 43.9298, 63.8029,
86.3425

■ 84.6640, 84.8020,
88.2538

■ 43.4956, 63.5791,
86.3217

■ 84.6641, 84.8021,
88.2543

■ 43.4229, 63.5416,
86.3182

■ 84.6642, 84.8021,
88.2548

■ 84.6643, 84.8021,
88.2553

■ 84.6643, 84.8022,
88.2558

Harmonies

Analogous

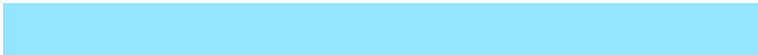
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.8441, 69.5592, 68.4459



55.0992, 69.5592, 86.8662



58.1846, 69.5592, 104.7526

Triad

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



55.0992, 69.5592, 86.8662



75.5914, 69.5592, 101.9750



68.7817, 69.5592, 46.3510

Complementary

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



55.0992, 69.5592, 86.8662



48.5174, 39.4530, 31.8487

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.



74.7328, 69.5592, 52.6467



55.0992, 69.5592, 86.8662



78.8307, 69.5592, 83.5307

Square

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



55.0992, 69.5592, 86.8662



69.8932, 69.5592, 114.3936



78.5067, 69.5592, 65.6035



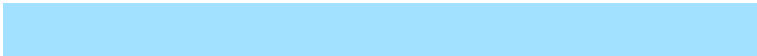
62.4734, 69.5592, 46.9492

Rectangle

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



55.0992, 69.5592, 86.8662



61.5504, 69.5592, 113.0769



78.5067, 69.5592, 65.6035



70.8976, 69.5592, 47.6830

Sweetspot

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



55.1013, 69.5619, 86.8678



85.4727, 95.0627, 108.4511



45.9039, 65.9127, 37.0927



18.0636, 20.2282, 23.2022



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.



55.1013, 69.5619, 86.8678



64.6669, 84.3370, 107.4753



44.6473, 48.6535, 83.3849



14.8075, 16.3364, 18.5170



24.1057, 35.2744, 47.9186



1.7813, 2.6067, 3.5410

Inverse Universe

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



48.5174, 39.4530, 31.8487



55.4070, 41.9902, 30.0936



56.1730, 54.7645, 34.3997



14.3771, 14.3680, 14.9201



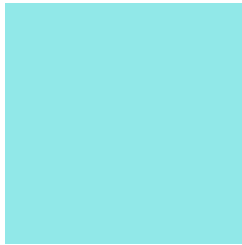
18.4751, 9.5242, 0.8648



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 55.0992, 69.5592, 86.8662 looks on a white background.

Color Contrast Check

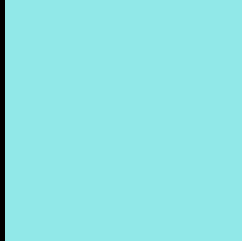
Large Text (above 18pt) WCAG AA × Fail

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 55.0992, 69.5592, 86.8662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

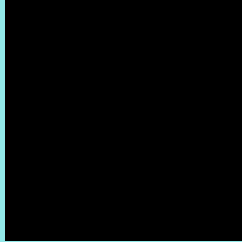
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.0992, 69.5592, 86.8662

Background



This preview shows how black text looks on a background with the XYZ color 55.0992, 69.5592, 86.8662.



This preview shows how white text looks on a background with the XYZ color 55.0992, 69.5592,

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

55.0992, 69.5592, 86.8662

Protanopia

66.3987, 68.7802, 78.8836

Deuteranopia

70.3276, 68.7016, 89.6748



Tritanopia

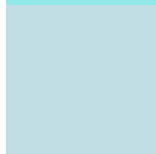
57.6345, 69.7605, 99.2344

Trichromacy



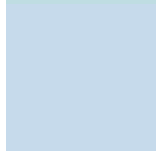
Original Color

55.0992, 69.5592, 86.8662



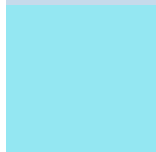
Protanomaly

61.0698, 68.2803, 81.9122



Deuteranomaly

63.3555, 68.1467, 88.4117



Tritanomaly

56.8157, 69.8585, 94.4939

Monochromacy



Original Color

55.0992, 69.5592, 86.8662



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.3333, 63.6975, 73.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0992, 69.5592, 86.8662 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(145, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(145, 232, 232)  
}
```

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(145, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.0992, 69.5592, 86.8662 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(145, 232, 232) }
```


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

```
.border{ border-color:rgb(145, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(145, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0992, 69.5592, 86.8662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 232, 232) }
```

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

```
.background{ background-color: rgb(145,  
232, 232) }
```

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