

Converting Colors

XYZ(55.2281, 71.5561, 90.0727)

Have a look what the booklet for
XYZ(55.2281, 71.5561, 90.0727)
contains.

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Color

**XYZ(55.4162, 71.7754,
90.2902)**

Conversions

Conversions Part 1

Format	Color
Hex	87EDEC
RGB	135, 237, 236
RGB Percent	53%, 93%, 93%
CMY	0.4706, 0.0706, 0.0745
CMYK	0.43, 0.00, 0.00, 0.07
HSL	179°, 74%, 73%
HSV	179°, 43%, 93%
XYZ	55.4162, 71.7754, 90.2902
YIQ	206.3880, -60.4710, -21.9350

Conversions

Conversions Part 2

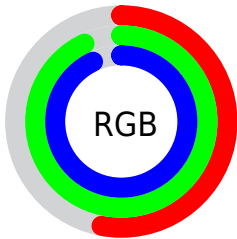
Format	Color
RYB	135, 186, 237
Decimal	8908268
CIELab	87.86, -29.97, -8.83
CIELCh	88, 31.243, 196.415
Yxy	71.7754, 0.2548, 0.3300
Android (android.graphics.Color)	4287098348 (0xFF87EDEC)
YUV	206.3880, 14.5987, -62.6073
Hunter-Lab	84.7204, -31.5025, -3.8837

Details

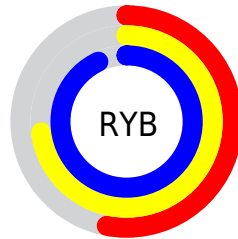
The XYZ color **55.4162, 71.7754, 90.2902** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0354, 37.1122, 27.9268**, and the grayscale version is **58.8538, 61.9187, 67.4295**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **27.7426, 37.8795, 49.0293** is the 20% darker color. If you saturate the color by 10%, you get **51.9860, 70.0127, 89.9547**, and if you desaturate by 10%, it is **59.6994, 73.9813, 90.6690**.

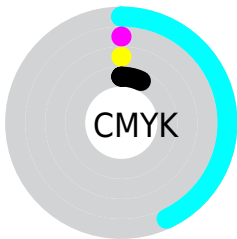
Distribution



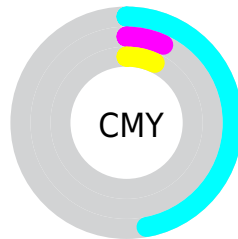
- Red (53%)
- Green (93%)
- Blue (93%)



- Red (53%)
- Yellow (73%)
- Blue (93%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (47%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4162, 71.7754, 90.2902 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 55.4162, 71.7754, 90.2902 by changing the saturation by 10% instead.

55.4162, 71.7754,
90.2902

55.4162, 71.7754,
90.2902

397.5985,
466.7595, 549.5689

39.9702, 52.9752,
67.6463

97.2953, 121.7372,
149.6805

27.6994, 37.7830,
49.1451

124.4590,
153.6675, 187.2639

18.2385, 25.8143,
34.3682

156.2594,
190.7434, 230.6643

11.2221, 16.6848,
22.8970

193.0618,
233.3492, 280.3001

6.2848, 10.0100,
14.3129

235.2316,
281.8693, 336.5899

3.0613, 5.4056,
8.1974

283.1340,

1.1863, 2.4871,

336.6881, 399.9523

4.1319

337.1345,
398.1901, 470.8058

■ 0.0955, 0.8702,
1.6980

■ 0.0000, 0.0000,
0.3594

■ 55.4162, 71.7754,
90.2902

■ 55.4162, 71.7754,
90.2902

■ 51.9860, 70.0127,
89.9547

■ 59.6994, 73.9813,
90.6690

■ 49.3454, 68.6553,
89.6548


■ 64.8810, 76.6486,
91.0885


■ 47.4326, 67.6731,
89.3892


■ 71.0106, 79.8046,
91.5526


■ 46.1739, 67.0281,
89.1544


■ 78.1326, 83.4722,
92.0634


 45.4796, 66.6741,
88.9463


 86.2884, 87.6727,
92.6228

 45.2338, 66.5501,
88.8127

 86.8698, 87.9685,
92.8279

 86.9039, 87.9821,
93.0077

 86.9381, 87.9958,
93.1877

 86.9723, 88.0095,
93.3679

Harmonies

Analogous

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



55.2574, 71.7754, 68.9314



55.4162, 71.7754, 90.2902



58.8394, 71.7754, 111.6837

Triad

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



55.4162, 71.7754, 90.2902



79.0982, 71.7754, 109.8810



71.6306, 71.7754, 44.7519

Complementary

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



55.4162, 71.7754, 90.2902



48.0354, 37.1122, 27.9268

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.



78.5489, 71.7754, 52.1080



55.4162, 71.7754, 90.2902



83.0669, 71.7754, 88.1585

Square

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



55.4162, 71.7754, 90.2902



72.3368, 71.7754, 124.3229



82.8589, 71.7754, 67.1521



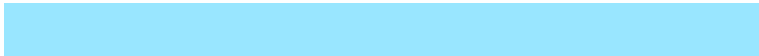
64.2631, 71.7754, 45.1135

Rectangle

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



55.4162, 71.7754, 90.2902



62.6637, 71.7754, 121.9538



82.8589, 71.7754, 67.1521



74.0962, 71.7754, 46.3374

Sweetspot

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



55.4183, 71.7782, 90.2919



83.8359, 94.2250, 108.1016



44.9270, 67.6135, 33.6062



17.5799, 19.9804, 23.1112



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.



55.4183, 71.7782, 90.2919



61.6837, 82.8232, 106.2471



43.1992, 47.1062, 86.9394



15.5109, 17.1192, 19.3734



24.6981, 36.3337, 48.5029



1.9415, 2.8539, 3.8196

Inverse Universe

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



48.0354, 37.1122, 27.9268



51.8681, 36.7252, 23.3254



56.5037, 54.1622, 30.3996



15.0715, 15.0565, 15.6618



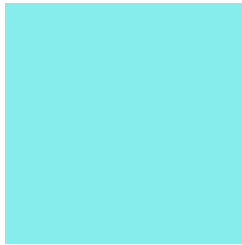
19.0775, 9.8337, 0.9437



1.5002, 0.7730, 0.0853

Previews

White Background



This preview shows how the XYZ color 55.4162, 71.7754, 90.2902 looks on a white background.

Color Contrast Check

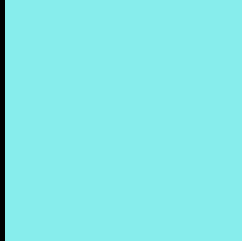
Large Text (above 18pt) WCAG AA × Fail

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 55.4162, 71.7754, 90.2902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

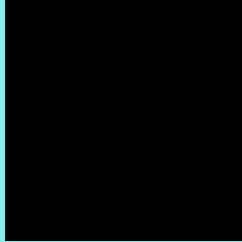
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4162, 71.7754, 90.2902

Background



This preview shows how black text looks on a background with the XYZ color 55.4162, 71.7754, 90.2902.

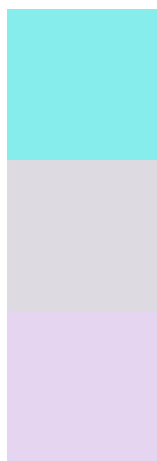


This preview shows how white text looks on a background with the XYZ color 55.4162, 71.7754,

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

55.4162, 71.7754, 90.2902

Protanopia

68.4808, 70.9512, 81.3198

Deuteranopia

72.3046, 70.7624, 93.0667



Tritanopia

57.9677, 71.5129, 103.6767

Trichromacy



Original Color

55.4162, 71.7754, 90.2902



Protanomaly

62.3033, 70.4547, 84.4441



Deuteranomaly

64.2069, 70.0766, 91.8034



Tritanomaly

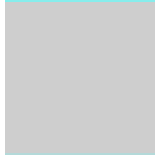
56.9781, 71.5353, 98.8003

Monochromacy



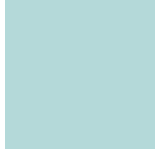
Original Color

55.4162, 71.7754, 90.2902



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.1596, 64.3388, 75.1043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4162, 71.7754, 90.2902 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(135, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(135, 237, 236)  
}
```

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(135, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 237, 236) }
```

Border

The CSS property to change the border of an element to XYZ 55.4162, 71.7754, 90.2902 is called "border". The border property can be set on classes, ids or directly on the HTML element.

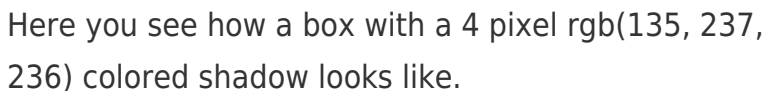
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 237, 236) }
```


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

```
.border{ border-color:rgb(135, 237, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 237, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 237, 236); box-shadow:4px 4px 4px 4px rgb(135, 237, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4162, 71.7754, 90.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 237, 236) }
```

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

```
.background{ background-color: rgb(135,  
237, 236) }
```

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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