

Converting Colors

XYZ(55.3995, 64.7683, 90.8684)

Have a look what the booklet for
XYZ(55.3995, 64.7683, 90.8684)
contains.

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Color

**XYZ(55.4713, 64.7893,
91.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDCEF
RGB	159, 220, 239
RGB Percent	62%, 86%, 94%
CMY	0.3765, 0.1372, 0.0627
CMYK	0.33, 0.08, 0.00, 0.06
HSL	194°, 71%, 78%
HSV	194°, 33%, 94%
XYZ	55.4713, 64.7893, 91.2433
YIQ	203.9270, -42.4550, -7.0230

Conversions

Conversions Part 2

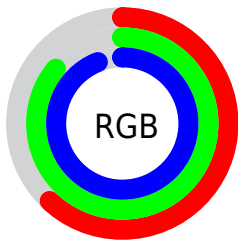
Format	Color
R _Y B	159, 194, 239
Decimal	10476783
CIE Lab	84.38, -14.81, -15.50
CIE LCh	84, 21.434, 226.303
Yxy	64.7893, 0.2623, 0.3063
Android (android.graphics.Color)	4288666863 (0xFF9FDCEF)
YUV	203.9270, 17.2910, -39.4010
Hunter-Lab	80.4918, -17.8465, -10.8653

Details

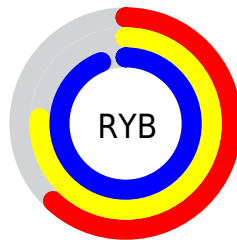
The XYZ color **55.4713, 64.7893, 91.2433** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7761, 52.6957, 39.9288**, and the grayscale version is **57.2635, 60.2457, 65.6075**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **27.7113, 33.2722, 49.7614** is the 20% darker color. If you saturate the color by 10%, you get **49.7183, 59.6510, 90.5558**, and if you desaturate by 10%, it is **62.1951, 70.5062, 91.9935**.

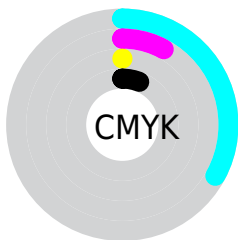
Distribution



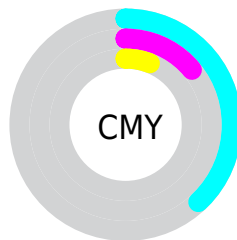
- Red (62%)
- Green (86%)
- Blue (94%)



- Red (62%)
- Yellow (76%)
- Blue (94%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (38%)
- Magenta (14%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4713, 64.7893, 91.2433 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 55.4713, 64.7893, 91.2433 by changing the saturation by 10% instead.

■ 55.4713, 64.7893,
91.2433

■ 55.4713, 64.7893,
91.2433

397.8034,
442.0344, 552.7411

■ 40.0145, 47.2902,
68.4328

■ 97.3754, 111.7469,
151.0148

■ 27.7341, 33.2652,
49.7810

■ 124.5535,
141.9742, 188.8128

■ 18.2648, 22.3297,
34.8695

156.3694,
177.2131, 232.4437

■ 11.2411, 14.0993,
23.2796

193.1884,
217.8479, 282.3261

■ 6.2977, 8.1898,
14.5929

235.3760,
264.2630, 338.8785

■ 3.0693, 4.2166,
8.3907

283.2975,

■ 1.1905, 1.7955,

316.8429, 402.5195

4.2546

337.3181,
375.9719, 473.6675

■ 0.0989, 0.4843,
1.7660

■ 0.0000, 0.0000,
0.4054

■ 55.4713, 64.7893,
91.2433

■ 55.4713, 64.7893,
91.2433

■ 49.7183, 59.6510,
90.5558

■ 62.1951, 70.5062,
91.9935

■ 44.8767, 55.0554,
89.9240

■ 69.9331, 76.8202,
92.8044

■ 40.8895, 50.9738,
89.3463

■ 78.7330, 83.7582,
93.6797

■ 37.6906, 47.3715,
88.8196

■ 88.6377, 91.3430,
94.6217

■ 35.2036, 44.2082,
88.3401

■ 90.5053, 94.8623,
95.2026

■ 33.3355, 41.4354,
87.9033

■ 92.2805, 98.4127,
95.7943

■ 32.3582, 39.7881,
87.6369

■ 92.5802, 99.0121,
95.8942

Harmonies

Analogous

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



53.2070, 64.7893, 78.1613



55.4713, 64.7893, 91.2433



59.4384, 64.7893, 99.1982

Triad

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



55.4713, 64.7893, 91.2433



70.9073, 64.7893, 76.9351



59.0467, 64.7893, 48.2588

Complementary

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



55.4713, 64.7893, 91.2433



57.7761, 52.6957, 39.9288

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.



63.7730, 64.7893, 48.0197



55.4713, 64.7893, 91.2433



70.7890, 64.7893, 63.4394

Square

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



55.4713, 64.7893, 91.2433



68.4373, 64.7893, 90.2466



68.1221, 64.7893, 53.2398



55.1973, 64.7893, 53.9414

Rectangle

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



55.4713, 64.7893, 91.2433



62.5905, 64.7893, 99.9368



68.1221, 64.7893, 53.2398



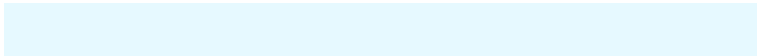
60.5810, 64.7893, 47.5669

Sweetspot

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



55.4733, 64.7919, 91.2448



84.3814, 91.6774, 107.8559



53.1685, 72.3063, 53.1002



17.7620, 19.3851, 23.0555



0.0000, 0.0000, 0.0000



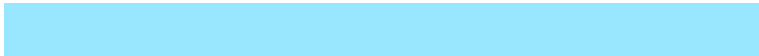
20.3446, 21.4041, 23.3091

Same Dimension

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



55.4733, 64.7919, 91.2448



59.7005, 71.0196, 105.1693



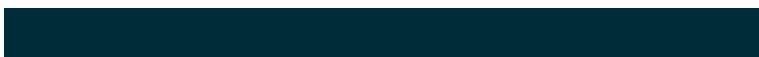
46.2683, 46.3820, 88.1765



15.9107, 17.2556, 20.2137



17.9878, 22.1999, 48.4648



1.5721, 1.9981, 4.0570

Inverse Universe

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



60.9147, 48.3161, 73.8282



67.0236, 49.7994, 81.5163



66.8410, 70.8255, 42.9504



16.2844, 15.9635, 19.0538



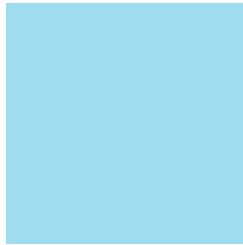
24.4050, 12.0344, 25.8473



2.0685, 1.0164, 2.3513

Previews

White Background



This preview shows how the XYZ color 55.4713, 64.7893, 91.2433 looks on a white background.

Color Contrast Check

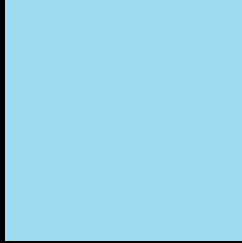
Large Text (above 18pt) WCAG AA × Fail

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 55.4713, 64.7893, 91.2433 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 55.4713, 64.7893, 91.2433

Background



This preview shows how black text looks on a background with the XYZ color 55.4713, 64.7893, 91.2433.



This preview shows how white text looks on a background with the XYZ color 55.4713, 64.7893,

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

55.4713, 64.7893, 91.2433

Protanopia

62.8535, 64.2033, 85.4237

Deuteranopia

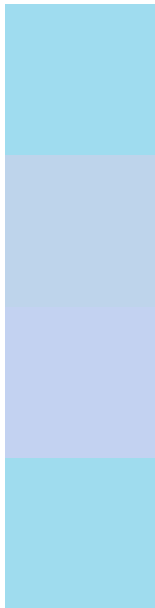
65.8827, 64.5205, 92.9857



Tritanopia

55.3239, 64.7304, 90.4673

Trichromacy



Original Color

55.4713, 64.7893, 91.2433

Protanomaly

59.7741, 64.0323, 87.8063

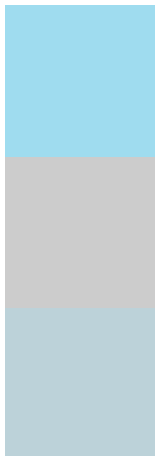
Deuteranomaly

61.4295, 64.0462, 92.3436

Tritanomaly

55.3239, 64.7304, 90.4673

Monochromacy



Original Color

55.4713, 64.7893, 91.2433

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.3100, 61.7943, 74.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4713, 64.7893, 91.2433 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(159, 220, 239)` looks like.

```
.text, #text, p{  
    color:rgb(159, 220, 239)  
}
```

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(159, 220, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 220, 239) }
```

Border

The CSS property to change the border of an element to XYZ 55.4713, 64.7893, 91.2433 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(159, 220, 239) }
```


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

```
.border{ border-color:rgb(159, 220, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 220, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 220, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 220, 239);  
box-shadow:4px 4px 4px 4px rgb(159, 220,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4713, 64.7893, 91.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 220, 239) }
```

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

```
.background{ background-color: rgb(159,  
220, 239) }
```

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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