

Converting Colors

XYZ(51.9376, 70.1122, 87.1768)

Have a look what the booklet for
XYZ(51.9376, 70.1122, 87.1768)
contains.

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Color

**XYZ(51.9199, 70.0394,
87.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	73EDE8
RGB	115, 237, 232
RGB Percent	45%, 93%, 91%
CMY	0.5490, 0.0706, 0.0902
CMYK	0.51, 0.00, 0.02, 0.07
HSL	178°, 77%, 69%
HSV	178°, 51%, 93%
XYZ	51.9199, 70.0394, 87.1264
YIQ	199.9520, -71.1070, -27.4190

Conversions

Conversions Part 2

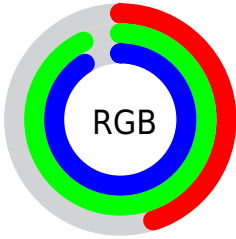
Format	Color
RYB	115, 177, 237
Decimal	7597544
CIELab	87.02, -35.31, -8.06
CIELCh	87, 36.216, 192.865
Yxy	70.0394, 0.2483, 0.3350
Android (android.graphics.Color)	4285787624 (0xFF73EDE8)
YUV	199.9520, 15.7997, -74.5029
Hunter-Lab	83.6895, -35.7176, -3.1422

Details

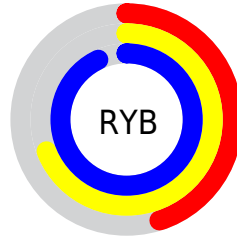
The XYZ color **51.9199, 70.0394, 87.1264** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.4483, 31.6241, 21.5331**, and the grayscale version is **54.8092, 57.6636, 62.7956**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **25.5326, 36.7867, 46.8291** is the 20% darker color. If you saturate the color by 10%, you get **49.0578, 68.5815, 86.2753**, and if you desaturate by 10%, it is **55.5879, 71.9160, 88.0223**.

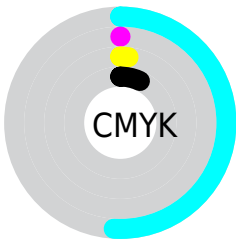
Distribution



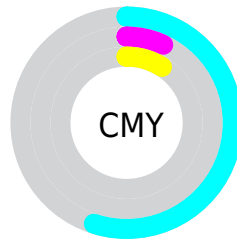
- Red (45%)
- Green (93%)
- Blue (91%)



- Red (45%)
- Yellow (69%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (55%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9199, 70.0394, 87.1264 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 51.9199, 70.0394, 87.1264 by changing the saturation by 10% instead.

51.9199, 70.0394,
87.1264

51.9199, 70.0394,
87.1264

384.4563,
460.6883, 538.9651

37.1652, 51.5587,
65.0396

92.1880, 119.2649,
145.2407

25.5097, 36.6534,
47.0416

118.4322,
150.7785, 182.1053

16.5880, 24.9393,
32.7140

149.2369,
187.4052, 224.7329

10.0346, 16.0318,
21.6381

184.9676,
229.5293, 273.5421

5.4844, 9.5467,
13.3955

225.9895,
277.5353, 328.9514

2.5718, 5.0994,
7.5675

272.6680,

0.9316, 2.3057,

331.8075, 391.3793

3.7357

325.3685,
392.7304, 461.2443

■ 0.0000, 0.7767,
1.4815

■ 0.0000, 0.0000,
0.2041

■ 51.9199, 70.0394,
87.1264

■ 51.9199, 70.0394,
87.1264

■ 49.0578, 68.5815,
86.2753

■ 55.5879, 71.9160,
88.0223

■ 46.9328, 67.5018,
85.4612


■ 60.1117, 74.2320,
88.9606

■ 45.4748, 66.7659,
84.6823


■ 65.5443, 77.0164,
89.9455


■ 44.5975, 66.3293,
83.9345


■ 71.9329, 80.2936,
90.9791


 44.1900, 66.1325,
83.3160

 79.3211, 84.0860,
92.0635

 86.9333, 87.9938,
93.1624

 87.0764, 88.0510,
93.9158

 87.2202, 88.1086,
94.6732

 87.3648, 88.1664,
95.4348

Harmonies

Analogous

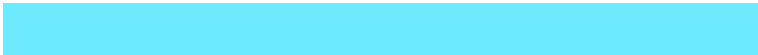
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.1865, 70.0394, 63.3262



51.9199, 70.0394, 87.1264



55.3310, 70.0394, 112.6005

Triad

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



51.9199, 70.0394, 87.1264



78.2772, 70.0394, 115.8173



71.4856, 70.0394, 39.8045

Complementary

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



51.9199, 70.0394, 87.1264



44.4483, 31.6241, 21.5331

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.



79.2371, 70.0394, 48.7251



51.9199, 70.0394, 87.1264



83.3806, 70.0394, 90.8470

Square

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



51.9199, 70.0394, 87.1264



70.2633, 70.0394, 131.3783



83.7461, 70.0394, 66.3387



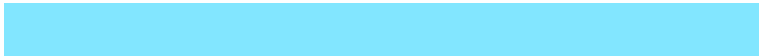
63.0091, 70.0394, 39.2242

Rectangle

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



51.9199, 70.0394, 87.1264



59.4143, 70.0394, 125.7645



83.7461, 70.0394, 66.3387



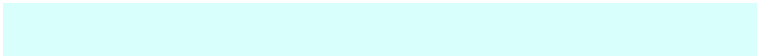
74.2791, 70.0394, 41.8239

Sweetspot

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



51.9220, 70.0421, 87.1280



82.0995, 93.3528, 106.9812



41.2801, 65.8811, 26.7619



17.2292, 19.8051, 22.8430



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.



51.9220, 70.0421, 87.1280



57.7028, 80.8654, 101.7958



39.1069, 43.2586, 86.4123



15.4894, 17.1106, 19.2602



24.1377, 36.1095, 45.5514



1.9037, 2.8388, 3.6207

Inverse Universe

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



44.4483, 31.6241, 21.5331



47.9729, 30.7779, 16.3451



52.3780, 47.9569, 22.7173



15.0905, 15.0641, 15.7619



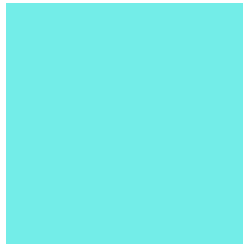
19.1085, 9.8461, 1.1065



1.5093, 0.7767, 0.1334

Previews

White Background



This preview shows how the XYZ color 51.9199, 70.0394, 87.1264 looks on a white background.

Color Contrast Check

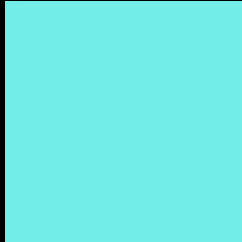
Large Text (above 18pt) WCAG AA × Fail

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 51.9199, 70.0394, 87.1264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

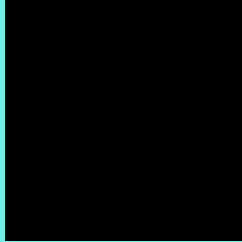
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9199, 70.0394, 87.1264

Background



This preview shows how black text looks on a background with the XYZ color 51.9199, 70.0394, 87.1264.

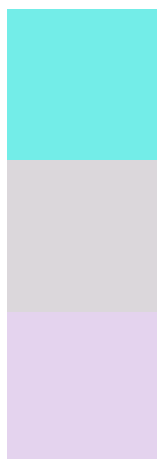


This preview shows how white text looks on a background with the XYZ color 51.9199, 70.0394,

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

51.9199, 70.0394, 87.1264

Protanopia

66.3000, 68.7754, 76.7984

Deuteranopia

70.7218, 69.2556, 90.5291



Tritanopia

55.1785, 70.0751, 103.5461

Trichromacy



Original Color

51.9199, 70.0394, 87.1264



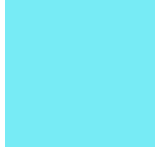
Protanomaly

58.8983, 67.9809, 80.5384



Deuteranomaly

61.2270, 67.8073, 89.2180



Tritanomaly

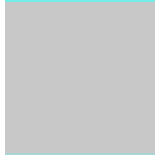
53.7975, 69.9312, 97.0488

Monochromacy



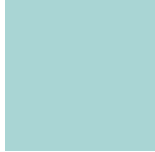
Original Color

51.9199, 70.0394, 87.1264



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.0401, 60.7770, 71.2757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9199, 70.0394, 87.1264 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(115, 237, 232)` looks like.

```
.text, #text, p{  
    color:rgb(115, 237, 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(115, 237, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 237, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.9199, 70.0394, 87.1264 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(115, 237, 232) }
```


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

```
.border{ border-color:rgb(115, 237, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 237, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 237, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 237, 232);  
box-shadow:4px 4px 4px 4px rgb(115, 237,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9199, 70.0394, 87.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 237, 232) }
```

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

```
.background{ background-color: rgb(115,  
237, 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](#).

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