

Converting Colors

XYZ(53.7699, 71.8557, 81.1954)

Have a look what the booklet for
XYZ(53.7699, 71.8557, 81.1954)
contains.

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Color

**XYZ(53.8587, 72.0473,
80.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	85EFD9
RGB	133, 239, 223
RGB Percent	52%, 94%, 87%
CMY	0.4784, 0.0627, 0.1255
CMYK	0.44, 0.00, 0.07, 0.06
HSL	171°, 77%, 73%
HSV	171°, 44%, 94%
XYZ	53.8587, 72.0473, 80.8799
YIQ	205.4820, -58.0400, -27.4480

Conversions

Conversions Part 2

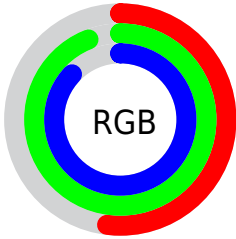
Format	Color
RYB	133, 190, 239
Decimal	8777695
CIELab	87.99, -34.48, -1.83
CIELCh	88, 34.533, 183.045
Yxy	72.0473, 0.2605, 0.3484
Android (android.graphics.Color)	4286967775 (0xFF85EFDf)
YUV	205.4820, 8.6364, -63.5667
Hunter-Lab	84.8807, -35.2789, 2.9211

Details

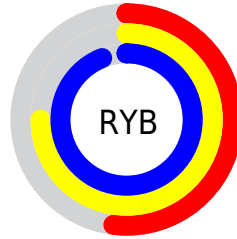
The XYZ color **53.8587, 72.0473, 80.8799** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.4115, 37.2978, 33.0315**, and the grayscale version is **58.3103, 61.3469, 66.8068**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **26.8254, 38.1500, 42.9956** is the 20% darker color. If you saturate the color by 10%, you get **50.0253, 70.1285, 78.1894**, and if you desaturate by 10%, it is **58.5651, 74.4185, 83.6686**.

Distribution



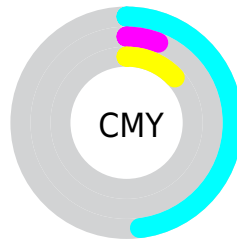
- Red (52%)
- Green (94%)
- Blue (87%)



- Red (52%)
- Yellow (75%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)





- Cyan (48%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8587, 72.0473, 80.8799 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 53.8587, 72.0473, 80.8799 by changing the saturation by 10% instead.


 53.8587, 72.0473,
80.8799


 53.8587, 72.0473,
80.8799


391.7781,
467.7062, 517.6780


 38.7189, 53.1973,
59.9123

 95.0249, 122.1238,
136.4247

 26.7209, 37.9603,
42.9231


 121.7819,
154.1191, 171.8389

 17.4992, 25.9519,
29.4938


 153.1422,
191.2649, 212.9057

 10.6886, 16.7876,
19.2059

189.4709,
233.9457, 260.0437

 5.9236, 10.0832,
11.6408

231.1336,
282.5458, 313.6714

 2.8389, 5.4542,
6.3801

278.4954,

 1.0691, 2.5161,

337.4497, 374.2073

3.0050

331.9218,
399.0417, 442.0700

0.0000, 0.8847,
1.0972

0.0000, 0.0000,
0.0000

53.8587, 72.0473,
80.8799

53.8587, 72.0473,
80.8799

50.0253, 70.1285,
78.1894

58.5651, 74.4185,
83.6686

46.9995, 68.6231,
75.5888


64.1917, 77.2611,
86.5532


44.7169, 67.4996,
73.0765


70.7897, 80.6033,
89.5380


43.1005, 66.7184,
70.6486


78.4048, 84.4686,
92.6256


 42.0559, 66.2308,
68.3001


 87.0798, 88.8790,
95.8182

 41.6380, 66.0436,
67.0047

 88.5359, 89.5667,
98.7287

 89.0912, 89.7888,
101.6530

 89.6573, 90.0153,
104.6343

 90.1577, 90.2155,
107.2692

Harmonies

Analogous

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



55.3177, 72.0473, 59.6423



53.8587, 72.0473, 80.8799



56.0501, 72.0473, 105.8514

Triad

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



53.8587, 72.0473, 80.8799



77.4770, 72.0473, 122.9074



75.9065, 72.0473, 44.5832

Complementary

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



53.8587, 72.0473, 80.8799



49.4115, 37.2978, 33.0315

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.



82.6210, 72.0473, 56.2351



53.8587, 72.0473, 80.8799



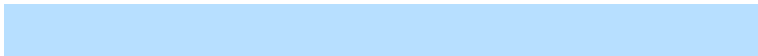
83.5776, 72.0473, 100.8399

Square

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



53.8587, 72.0473, 80.8799



69.3230, 72.0473, 132.9749



85.5307, 72.0473, 76.0639



67.6415, 72.0473, 41.3310

Rectangle

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



53.8587, 72.0473, 80.8799



59.3976, 72.0473, 120.5302



85.5307, 72.0473, 76.0639



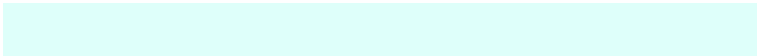
78.4414, 72.0473, 47.5143

Sweetspot

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



53.8608, 72.0501, 80.8816



83.0929, 93.9278, 104.1892



47.8032, 69.9769, 33.1792



17.3943, 19.9061, 22.1339



0.0000, 0.0000, 0.0000



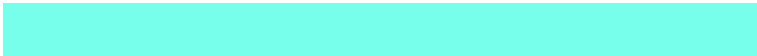
20.3446, 21.4041, 23.3091

Same Dimension

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



53.8608, 72.0501, 80.8816



58.4221, 81.4772, 90.9397



46.7689, 54.2486, 89.6706



16.1388, 17.8855, 19.7539



23.0483, 36.5113, 37.2330



1.9449, 3.0484, 3.2424

Inverse Universe

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



49.4115, 37.2978, 33.0315



52.6908, 36.5578, 29.1882



53.8970, 48.1751, 28.6499



15.8700, 15.7977, 16.8719



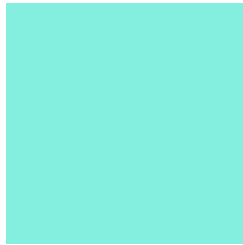
19.8777, 10.2235, 2.0066



1.6829, 0.8622, 0.3209

Previews

White Background



This preview shows how the XYZ color 53.8587, 72.0473, 80.8799 looks on a white background.

Color Contrast Check

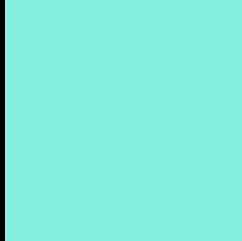
Large Text (above 18pt) WCAG AA × Fail

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 53.8587, 72.0473, 80.8799 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 53.8587, 72.0473, 80.8799

Background



This preview shows how black text looks on a background with the XYZ color 53.8587, 72.0473, 80.8799.

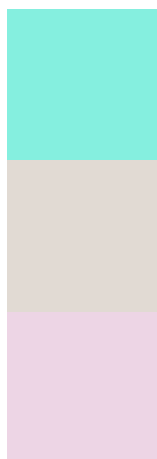


This preview shows how white text looks on a background with the XYZ color 53.8587, 72.0473,

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

53.8587, 72.0473, 80.8799

Protanopia

67.8806, 70.8535, 71.7264

Deuteranopia

72.8622, 71.2502, 84.0411



Tritanopia

58.3078, 71.6883, 103.6926

Trichromacy



Original Color

53.8587, 72.0473, 80.8799



Protanomaly

61.2003, 70.5055, 74.6733



Deuteranomaly

63.5396, 69.9307, 82.8221



Tritanomaly

56.6699, 71.8907, 94.8939

Monochromacy



Original Color

53.8587, 72.0473, 80.8799



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.2869, 63.9629, 71.7195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8587, 72.0473, 80.8799 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(133, 239, 223)` looks like.

```
.text, #text, p{  
    color:rgb(133, 239, 223)  
}
```

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(133, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 239, 223) }
```

Border

The CSS property to change the border of an element to XYZ 53.8587, 72.0473, 80.8799 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(133, 239, 223) }
```


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

```
.border{ border-color:rgb(133, 239, 223) }
```

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

Here you see how a box with a 4 pixel rgb(133, 239, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(133, 239,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8587, 72.0473, 80.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 239, 223) }
```

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

```
.background{ background-color: rgb(133,  
239, 223) }
```

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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