

Converting Colors

XYZ(43.7113, 59.4090, 56.1269)

Have a look what the booklet for
XYZ(43.7113, 59.4090, 56.1269)
contains.

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Color

**XYZ(43.7688, 59.5201,
56.1954)**

Conversions

Conversions Part 1

Format	Color
Hex	82DCBB
RGB	130, 220, 187
RGB Percent	51%, 86%, 73%
CMY	0.4902, 0.1372, 0.2667
CMYK	0.41, 0.00, 0.15, 0.14
HSL	158°, 56%, 69%
HSV	158°, 41%, 86%
XYZ	43.7688, 59.5201, 56.1954
YIQ	189.3280, -43.0470, -29.3430

Conversions

Conversions Part 2

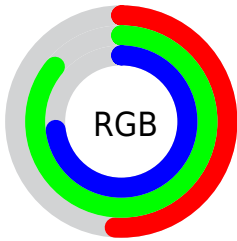
Format	Color
RYB	130, 185, 220
Decimal	8576187
CIELab	81.58, -34.48, 7.81
CIELCh	82, 35.351, 167.239
Yxy	59.5201, 0.2744, 0.3732
Android (android.graphics.Color)	4286766267 (0xFF82DCBB)
YUV	189.3280, -1.1477, -52.0307
Hunter-Lab	77.1493, -33.7435, 10.8178

Details

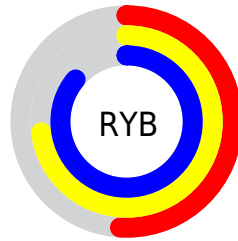
The XYZ color **43.7688, 59.5201, 56.1954** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.1108, 33.8268, 38.8571**, and the grayscale version is **48.5830, 51.1131, 55.6621**.

A 20% lighter version of the original color is **72.1874, 88.4302, 98.0581**, and **20.4026, 29.7280, 27.2170** is the 20% darker color. If you saturate the color by 10%, you get **39.9090, 57.6288, 51.6332**, and if you desaturate by 10%, it is **48.4019, 61.8075, 61.0497**.

Distribution



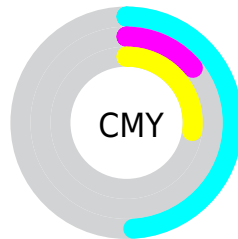
- Red (51%)
- Green (86%)
- Blue (73%)



- Red (51%)
- Yellow (73%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7688, 59.5201, 56.1954 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 43.7688, 59.5201, 56.1954 by changing the saturation by 10% instead.


 43.7688, 59.5201,
56.1954


 43.7688, 59.5201,
56.1954


352.6321,
422.8266, 427.8365


 30.6859, 43.0319,
39.9546


 80.1182, 104.1332,
100.7789

 20.5105, 29.9102,
27.1896

 104.1155,
133.0269, 129.9586

 12.8770, 19.7704,
17.4820


 132.4816,
166.8246, 164.2883

 7.4204, 12.2283,
10.4131

165.5819,
205.9107, 204.1866

 3.7750, 6.8993,
5.5646

203.7817,
250.6695, 250.0720

 1.5756, 3.3992,
2.5177

247.4465,

 0.3765, 1.3435,

301.4855, 302.3631

0.8495

296.9415,
358.7431, 361.4784

■ 0.0000, 0.1745,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7688, 59.5201,
56.1954

■ 43.7688, 59.5201,
56.1954

■ 39.9090, 57.6288,
51.6332

■ 48.4019, 61.8075,
61.0497

■ 36.7702, 56.1023,
47.3526

■ 53.8464, 64.5059,
66.1980

■ 34.3017, 54.9157,
43.3484

■ 60.1437, 67.6382,
71.6475

■ 32.4431, 54.0384,
39.6133

■ 67.3309, 71.2234,
77.4037

■ 31.1230, 53.4334,
36.1397

■ 75.4429, 75.2794,
83.4720

■ 30.2787, 53.0623,
33.1995

■ 81.8883, 78.4701,
89.7349

■ 83.0834, 78.9482,
96.0282

■ 84.3321, 79.4477,
102.6038

■ 84.8843, 79.6685,
105.5114

Harmonies

Analogous

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



46.7319, 59.5201, 40.8388



43.7688, 59.5201, 56.1954



44.0123, 59.5201, 77.6839

Triad

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



43.7688, 59.5201, 56.1954



60.9057, 59.5201, 112.1804



66.8204, 59.5201, 39.2023

Complementary

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



43.7688, 59.5201, 56.1954



44.1108, 33.8268, 38.8571

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.



71.3192, 59.5201, 53.4385



43.7688, 59.5201, 56.1954



67.7048, 59.5201, 96.6903

Square

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



43.7688, 59.5201, 56.1954



53.4792, 59.5201, 113.3755



71.6563, 59.5201, 74.2569



59.7819, 59.5201, 32.5705

Rectangle

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



43.7688, 59.5201, 56.1954



45.9584, 59.5201, 92.8062



71.6563, 59.5201, 74.2569



68.7056, 59.5201, 43.0955

Sweetspot

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



43.7704, 59.5225, 56.1968



82.9202, 93.9495, 99.1761



45.0376, 60.7465, 30.4716



17.4895, 19.9802, 21.0093



0.0000, 0.0000, 0.0000



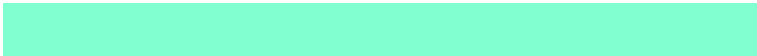
20.3446, 21.4041, 23.3091

Same Dimension

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



43.7704, 59.5225, 56.1968



56.5048, 80.8823, 73.0738



45.0495, 55.7622, 76.1018



13.2318, 14.7443, 15.6834



17.8249, 31.1626, 19.7750



1.1957, 2.0352, 1.4967

Inverse Universe

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



44.1108, 33.8268, 38.8571



57.0527, 40.3679, 45.7904



42.9976, 35.7316, 25.7507



13.2524, 13.1301, 14.5905



18.2358, 9.2953, 5.6216



1.2221, 0.6185, 0.5784

Previews

White Background



This preview shows how the XYZ color 43.7688, 59.5201, 56.1954 looks on a white background.

Color Contrast Check

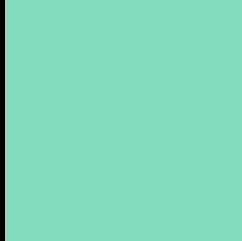
Large Text (above 18pt) WCAG AA × Fail

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 43.7688, 59.5201, 56.1954 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

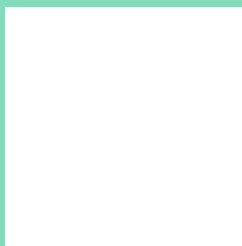
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7688, 59.5201, 56.1954

Background



This preview shows how black text looks on a background with the XYZ color 43.7688, 59.5201, 56.1954.

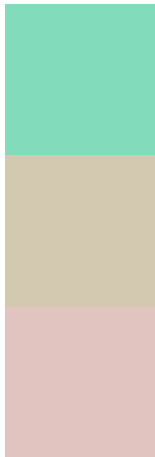


This preview shows how white text looks on a background with the XYZ color 43.7688, 59.5201,

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

43.7688, 59.5201, 56.1954

Protanopia

55.6864, 58.7965, 50.0088

Deuteranopia

60.0809, 58.8435, 58.0605



Tritanopia

49.4549, 59.5254, 84.4843

Trichromacy



Original Color

43.7688, 59.5201, 56.1954



Protanomaly

50.1878, 58.3930, 52.3419



Deuteranomaly

52.1223, 57.8506, 57.1343



Tritanomaly

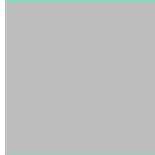
47.1381, 59.3364, 73.2586

Monochromacy



Original Color

43.7688, 59.5201, 56.1954



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.8798, 53.2642, 55.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7688, 59.5201, 56.1954 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(130, 220, 187)` looks like.

```
.text, #text, p{  
    color:rgb(130, 220, 187)  
}
```

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(130, 220, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 220, 187) }
```

Border

The CSS property to change the border of an element to XYZ 43.7688, 59.5201, 56.1954 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(130, 220, 187) }
```


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

```
.border{ border-color:rgb(130, 220, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 220, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(130, 220,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7688, 59.5201, 56.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 220, 187) }
```

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

```
.background{ background-color: rgb(130,  
220, 187) }
```

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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