

Converting Colors

XYZ(44.8988, 57.1706, 75.6875)

Have a look what the booklet for
XYZ(44.8988, 57.1706, 75.6875)
contains.

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Color

**XYZ(44.7488, 56.9139,
75.6448)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD5DB
RGB	123, 213, 219
RGB Percent	48%, 84%, 86%
CMY	0.5176, 0.1647, 0.1412
CMYK	0.44, 0.03, 0.00, 0.14
HSL	184°, 57%, 67%
HSV	184°, 44%, 86%
XYZ	44.7488, 56.9139, 75.6448
YIQ	186.7740, -55.5660, -17.2140

Conversions

Conversions Part 2

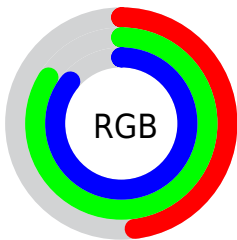
Format	Color
RYB	123, 169, 219
Decimal	8115675
CIELab	80.13, -25.39, -11.39
CIELCh	80, 27.825, 204.166
Yxy	56.9139, 0.2524, 0.3210
Android (android.graphics.Color)	4286305755 (0xFF7BD5DB)
YUV	186.7740, 15.8874, -55.9298
Hunter-Lab	75.4413, -26.1431, -6.6410

Details

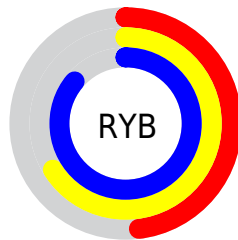
The XYZ color **44.7488, 56.9139, 75.6448** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.6398, 32.1915, 22.8119**, and the grayscale version is **47.0440, 49.4939, 53.8989**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **21.1077, 28.2579, 39.4638** is the 20% darker color. If you saturate the color by 10%, you get **41.6173, 54.7921, 75.4013**, and if you desaturate by 10%, it is **48.5874, 59.4072, 75.9247**.

Distribution



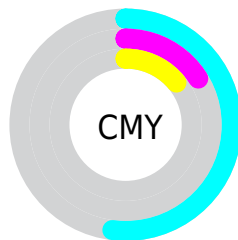
- Red (48%)
- Green (84%)
- Blue (86%)



- Red (48%)
- Yellow (66%)
- Blue (86%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)



- Cyan (52%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7488, 56.9139, 75.6448 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 44.7488, 56.9139, 75.6448 by changing the saturation by 10% instead.

44.7488, 56.9139,
75.6448

44.7488, 56.9139,
75.6448

356.5561,
413.1266, 499.4453

31.4600, 40.9361,
55.6364

81.5827, 100.3395,
128.9802

21.1030, 28.2692,
39.5094

105.8586,
128.5562, 163.1442

13.3122, 18.5287,
26.8454

134.5276,
161.6213, 202.8639

7.7223, 11.3302,
17.2257

167.9550,
199.9191, 248.5577

3.9681, 6.2894,
10.2319

206.5062,
243.8342, 300.6442

1.6841, 3.0218,
5.4454

250.5465,

0.4463, 1.1431,

293.7509, 359.5419

2.4476

300.4414,
350.0536, 425.6695

■ 0.0000, 0.0145,
0.8122

■ 0.0000, 0.0000,
0.0000

■ 44.7488, 56.9139,
75.6448

■ 44.7488, 56.9139,
75.6448

■ 41.6173, 54.7921,
75.4013

■ 48.5874, 59.4072,
75.9247

■ 39.1404, 53.0107,
75.1880


■ 53.1708, 62.2875,
76.2391


■ 37.2667, 51.5446,
75.0038


■ 58.5403, 65.5773,
76.5911


■ 35.9348, 50.3620,
74.8457


■ 64.7325, 69.2956,
76.9824

 35.0702, 49.4246,
74.7103


 71.7818, 73.4601,
77.4147

 34.6939, 48.9296,
74.6346

 79.7207, 78.0876,
77.8895

 80.3024, 78.9267,
78.0208

 80.6686, 79.6590,
78.1429

 81.0377, 80.3973,
78.2659

Harmonies

Analogous

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



43.9616, 56.9139, 58.8507



44.7488, 56.9139, 75.6448



47.9624, 56.9139, 90.8727

Triad

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



44.7488, 56.9139, 75.6448



63.4198, 56.9139, 82.0965



55.2103, 56.9139, 35.8173

Complementary

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



44.7488, 56.9139, 75.6448



40.6398, 32.1915, 22.8119

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.



60.7292, 56.9139, 39.9541



44.7488, 56.9139, 75.6448



65.6768, 56.9139, 65.1967

Square

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



44.7488, 56.9139, 75.6448



58.6801, 56.9139, 95.0296



64.6595, 56.9139, 50.0506



49.7551, 56.9139, 37.6328

Rectangle

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



44.7488, 56.9139, 75.6448



51.1755, 56.9139, 97.1069



64.6595, 56.9139, 50.0506



57.1233, 56.9139, 36.5316

Sweetspot

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



44.7505, 56.9161, 75.6461



83.2311, 92.9315, 108.1586



37.3843, 56.4284, 29.2760



17.4286, 19.6568, 23.1255



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.



44.7505, 56.9161, 75.6461



58.9000, 77.4526, 106.4532



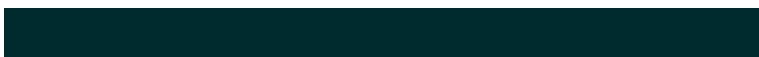
34.6285, 36.6721, 72.2721



13.3716, 14.6829, 16.7815



20.6019, 29.0732, 44.2643



1.3562, 1.9266, 2.8748

Inverse Universe

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



48.3080, 34.0315, 66.9758



64.6585, 41.3449, 92.2093



48.2759, 47.4638, 25.3573



13.5774, 13.2601, 16.3019



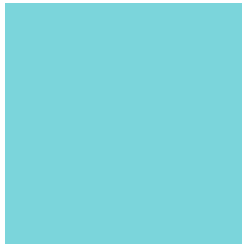
23.8942, 11.5587, 35.4185



1.5588, 0.7532, 2.3518

Previews

White Background



This preview shows how the XYZ color 44.7488, 56.9139, 75.6448 looks on a white background.

Color Contrast Check

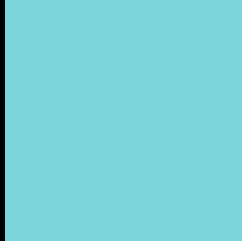
Large Text (above 18pt) WCAG AA × Fail

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 44.7488, 56.9139, 75.6448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

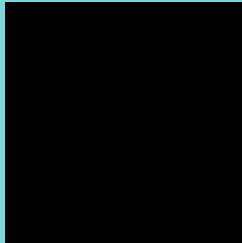
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7488, 56.9139, 75.6448

Background



This preview shows how black text looks on a background with the XYZ color 44.7488, 56.9139, 75.6448.



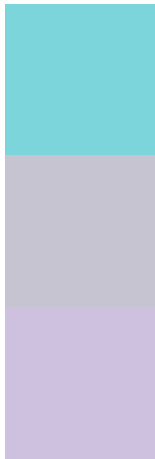
This preview shows how white text looks on a background with the XYZ color 44.7488, 56.9139,

75.6448.

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

44.7488, 56.9139, 75.6448

Protanopia

54.5373, 56.0891, 68.2735

Deuteranopia

57.5661, 56.4468, 77.6733



Tritanopia

46.2905, 57.1797, 82.7258

Trichromacy



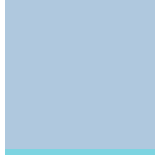
Original Color

44.7488, 56.9139, 75.6448



Protanomaly

49.9254, 55.7031, 71.0712



Deuteranomaly

51.5183, 55.6964, 77.1424



Tritanomaly

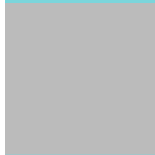
45.5915, 56.8832, 79.8108

Monochromacy



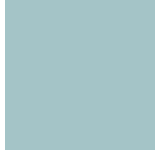
Original Color

44.7488, 56.9139, 75.6448



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.3586, 51.4959, 61.5819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7488, 56.9139, 75.6448 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(123, 213, 219)` looks like.

```
.text, #text, p{  
    color:rgb(123, 213, 219)  
}
```

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(123, 213, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 213, 219) }
```

Border

The CSS property to change the border of an element to XYZ 44.7488, 56.9139, 75.6448 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(123, 213, 219) }
```


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

```
.border{ border-color:rgb(123, 213, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 213, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 213, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 213, 219);  
box-shadow:4px 4px 4px 4px rgb(123, 213,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7488, 56.9139, 75.6448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 213, 219) }
```

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

```
.background{ background-color: rgb(123,  
213, 219) }
```

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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