

Converting Colors

XYZ(42.4240, 56.7850, 62.9173)

Have a look what the booklet for
XYZ(42.4240, 56.7850, 62.9173)
contains.

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Color

**XYZ(42.3550, 56.7175,
62.7481)**

Conversions

Conversions Part 1

Format	Color
Hex	78D7C7
RGB	120, 215, 199
RGB Percent	47%, 84%, 78%
CMY	0.5294, 0.1568, 0.2196
CMYK	0.44, 0.00, 0.07, 0.16
HSL	170°, 54%, 66%
HSV	170°, 44%, 84%
XYZ	42.3550, 56.7175, 62.7481
YIQ	184.7710, -51.4840, -25.1160

Conversions

Conversions Part 2

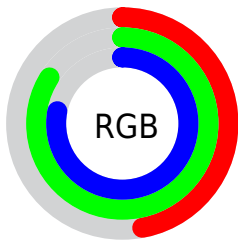
Format	Color
RYB	120, 172, 215
Decimal	7919559
CIELab	80.02, -31.97, -0.88
CIELCh	80, 31.985, 181.580
Yxy	56.7175, 0.2617, 0.3505
Android (android.graphics.Color)	4286109639 (0xFF78D7C7)
YUV	184.7710, 7.0149, -56.8042
Hunter-Lab	75.3110, -31.4057, 3.3181

Details

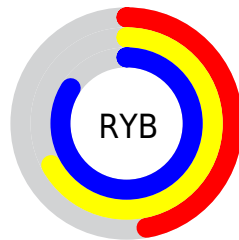
The XYZ color **42.3550, 56.7175, 62.7481** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.1867, 29.6592, 26.9541**, and the grayscale version is **45.9710, 48.3651, 52.6696**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **19.6682, 28.2101, 31.1965** is the 20% darker color. If you saturate the color by 10%, you get **39.2862, 55.1849, 60.4365**, and if you desaturate by 10%, it is **46.1064, 58.6037, 65.1464**.

Distribution



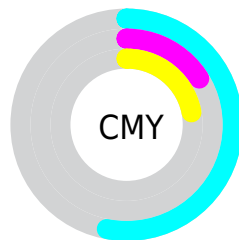
- Red (47%)
- Green (84%)
- Blue (78%)



- Red (47%)
- Yellow (67%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)



- Cyan (53%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3550, 56.7175, 62.7481 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 42.3550, 56.7175, 62.7481 by changing the saturation by 10% instead.

■ 42.3550, 56.7175,
62.7481

■ 42.3550, 56.7175,
62.7481

346.9191,
412.3899, 452.7375

■ 29.5717, 40.7785,
45.1978

■ 77.9984, 100.0529,
110.3881

■ 19.6602, 28.1460,
31.2691

■ 101.5892,
128.2180, 141.3148

■ 12.2551, 18.4358,
20.5437

■ 129.5133,
161.2273, 177.5374

■ 6.9911, 11.2633,
12.6029

162.1359,
199.4651, 219.4744

■ 3.5028, 6.2442,
7.0282

199.8224,
243.3159, 267.5444

■ 1.4249, 2.9941,
3.4010

242.9382,

■ 0.2739, 1.1287,

293.1640, 322.1659

1.3029

291.8487,
349.3939, 383.7574

■ 0.0000, 0.0023,
0.0641

■ 0.0000, 0.0000,
0.0000

■ 42.3550, 56.7175,
62.7481

■ 42.3550, 56.7175,
62.7481

■ 39.2862, 55.1849,
60.4365

■ 46.1064, 58.6037,
65.1464

■ 36.8499, 53.9758,
58.2051


■ 50.5769, 60.8580,
67.6297


■ 34.9965, 53.0661,
56.0526


■ 55.8059, 63.5021,
70.2014

■ 33.6670, 52.4253,
53.9758


■ 61.8287, 66.5543,
72.8636


 32.7897, 52.0165,
51.9709


 68.6783, 70.0315,
75.6181

 32.4166, 51.8489,
50.8347

 76.3858, 73.9498,
78.4668

 79.0439, 75.2638,
81.1335

 79.5415, 75.4628,
83.7537

 80.0496, 75.6661,
86.4294

Harmonies

Analogous

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



43.6464, 56.7175, 46.2387



42.3550, 56.7175, 62.7481



43.9465, 56.7175, 82.4615

Triad

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



42.3550, 56.7175, 62.7481



60.7220, 56.7175, 97.5435



60.0780, 56.7175, 35.3214

Complementary

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



42.3550, 56.7175, 62.7481



39.1867, 29.6592, 26.9541

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.



65.2721, 56.7175, 44.8432



42.3550, 56.7175, 62.7481



65.6644, 56.7175, 80.4056

Square

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



42.3550, 56.7175, 62.7481



54.2537, 56.7175, 104.8916



67.3919, 56.7175, 60.7738



53.5643, 56.7175, 32.4405

Rectangle

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



42.3550, 56.7175, 62.7481



46.5086, 56.7175, 94.2591



67.3919, 56.7175, 60.7738



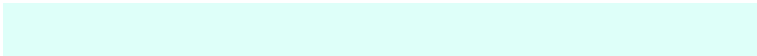
62.0539, 56.7175, 37.7425

Sweetspot

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



42.3566, 56.7197, 62.7494



83.0021, 93.8915, 103.7114



38.0774, 55.3129, 26.4400



17.3717, 19.8971, 22.0149



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.



42.3566, 56.7197, 62.7494



58.0838, 81.3419, 89.1582



37.3448, 43.5644, 70.7331



12.6982, 14.0703, 15.4911



19.4224, 31.0243, 30.5839



1.1958, 1.8810, 1.9729

Inverse Universe

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



39.1867, 29.6592, 26.9541



52.8673, 36.6284, 30.1176



42.3361, 37.6443, 22.8051



12.5078, 12.4546, 13.3481



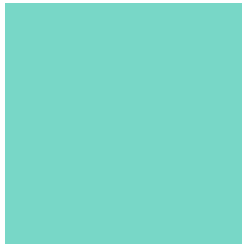
16.9810, 8.7287, 1.9379



1.0510, 0.5372, 0.2580

Previews

White Background



This preview shows how the XYZ color 42.3550, 56.7175, 62.7481 looks on a white background.

Color Contrast Check

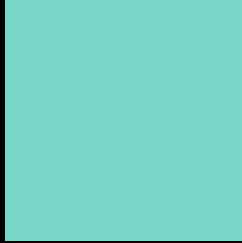
Large Text (above 18pt) WCAG AA × Fail

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 42.3550, 56.7175, 62.7481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

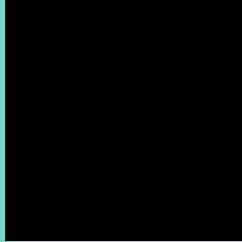
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

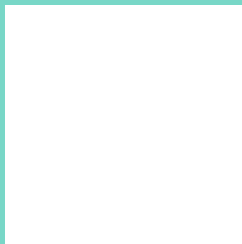
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3550, 56.7175, 62.7481

Background



This preview shows how black text looks on a background with the XYZ color 42.3550, 56.7175, 62.7481.



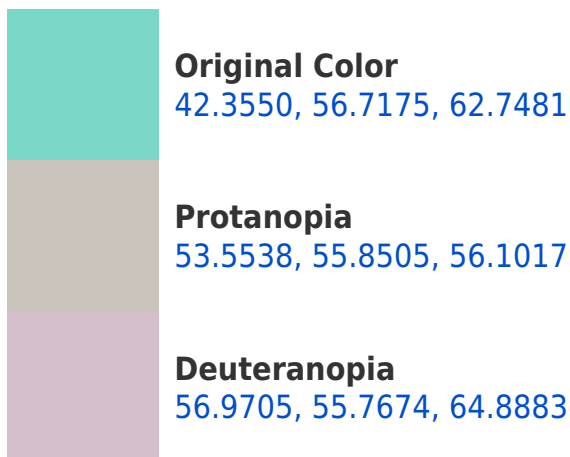
This preview shows how white text looks on a background with the XYZ color 42.3550, 56.7175,

62.7481.

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





Tritanopia

46.1999, 56.7792, 81.9233

Trichromacy



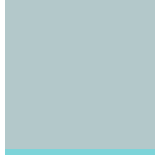
Original Color

42.3550, 56.7175, 62.7481



Protanomaly

48.2152, 55.4464, 58.6131



Deuteranomaly

49.9054, 55.1565, 63.8931



Tritanomaly

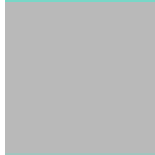
44.5253, 56.4567, 74.1961

Monochromacy



Original Color

42.3550, 56.7175, 62.7481



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.7321, 50.7746, 56.2108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3550, 56.7175, 62.7481 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(120, 215, 199)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 199)  
}
```

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(120, 215, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.3550, 56.7175, 62.7481 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(120, 215, 199) }
```


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

```
.border{ border-color:rgb(120, 215, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 215, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 215, 199);  
box-shadow:4px 4px 4px 4px rgb(120, 215,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3550, 56.7175, 62.7481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 199) }
```

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

```
.background{ background-color: rgb(120,  
215, 199) }
```

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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