

Converting Colors

XYZ(42.3098, 58.7259, 63.5535)

Have a look what the booklet for
XYZ(42.3098, 58.7259, 63.5535)
contains.

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Color

**XYZ(42.3252, 58.6077,
63.7252)**

Conversions

Conversions Part 1

Format	Color
Hex	6DDCC8
RGB	109, 220, 200
RGB Percent	43%, 86%, 78%
CMY	0.5725, 0.1372, 0.2157
CMYK	0.50, 0.00, 0.09, 0.14
HSL	169°, 61%, 65%
HSV	169°, 50%, 86%
XYZ	42.3252, 58.6077, 63.7252
YIQ	184.5310, -59.7360, -29.7520

Conversions

Conversions Part 2

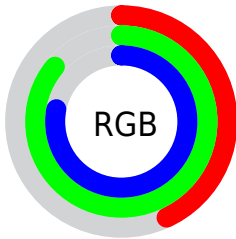
Format	Color
RYB	109, 170, 220
Decimal	7199944
CIELab	81.08, -36.61, 0.08
CIELCh	81, 36.610, 179.879
Yxy	58.6077, 0.2570, 0.3559
Android (android.graphics.Color)	4285390024 (0xFF6DDCC8)
YUV	184.5310, 7.6262, -66.2407
Hunter-Lab	76.5557, -35.2854, 4.2358

Details

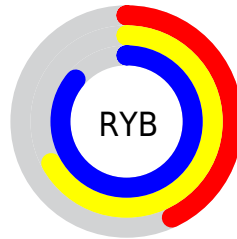
The XYZ color **42.3252, 58.6077, 63.7252** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.9483, 27.7396, 24.0726**, and the grayscale version is **45.8380, 48.2251, 52.5171**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **19.5460, 29.1841, 31.7971** is the 20% darker color. If you saturate the color by 10%, you get **39.4930, 57.2020, 61.2063**, and if you desaturate by 10%, it is **45.8500, 60.3720, 66.3418**.

Distribution



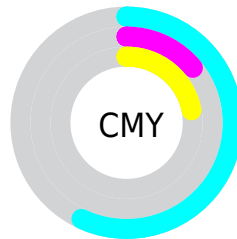
- Red (43%)
- Green (86%)
- Blue (78%)



- Red (43%)
- Yellow (67%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (14%)





- Cyan (57%)
- Magenta (14%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3252, 58.6077, 63.7252 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 42.3252, 58.6077, 63.7252 by changing the saturation by 10% instead.


 42.3252, 58.6077,
63.7252


 42.3252, 58.6077,
63.7252


346.7980,
419.4466, 456.3768


 29.5482, 42.2974,
45.9834


 77.9536, 102.8073,
111.8107

 19.6423, 29.3342,
31.8841


 101.5358,
131.4654, 142.9915

 12.2421, 19.3338,
21.0089


 129.4505,
165.0081, 179.4891

 6.9821, 11.9117,
12.9392

162.0629,
203.8200, 221.7219

 3.4972, 6.6836,
7.2565

199.7386,
248.2854, 270.1085

 1.4218, 3.2650,
3.5421

242.8427,

 0.2717, 1.2716,

298.7887, 325.0676

1.3777

291.7407,
355.7143, 387.0175

■ 0.0000, 0.1191,
0.1242

■ 0.0000, 0.0000,
0.0000

■ 42.3252, 58.6077,
63.7252

■ 42.3252, 58.6077,
63.7252

■ 39.4930, 57.2020,
61.2063

■ 45.8500, 60.3720,
66.3418

■ 37.2969, 56.1213,
58.7781


■ 50.1086, 62.5118,
69.0547


■ 35.6793, 55.3375,
56.4388


■ 55.1450, 65.0511,
71.8676


■ 34.5703, 54.8145,
54.1847


■ 60.9981, 68.0100,
74.7828


 33.8690, 54.4983,
52.1062

 67.7044, 71.4073,
77.8025

 75.2979, 75.2606,
80.9287

 80.8035, 78.0360,
84.0227

 81.3595, 78.2585,
86.9508

 81.9283, 78.4860,
89.9459

Harmonies

Analogous

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



43.9906, 58.6077, 45.0217



42.3252, 58.6077, 63.7252



43.9642, 58.6077, 87.0305

Triad

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



42.3252, 58.6077, 63.7252



63.3110, 58.6077, 107.4452



63.3694, 58.6077, 34.0138

Complementary

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



42.3252, 58.6077, 63.7252



38.9483, 27.7396, 24.0726

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.



69.3692, 58.6077, 45.1435



42.3252, 58.6077, 63.7252



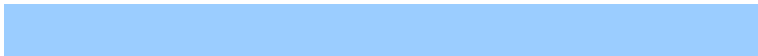
69.3334, 58.6077, 87.2194

Square

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



42.3252, 58.6077, 63.7252



55.6739, 58.6077, 115.5168



71.6432, 58.6077, 63.9025



55.7358, 58.6077, 30.4303

Rectangle

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



42.3252, 58.6077, 63.7252



46.8038, 58.6077, 101.4899



71.6432, 58.6077, 63.9025



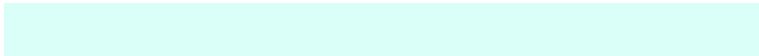
65.6684, 58.6077, 36.8498

Sweetspot

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



42.3269, 58.6100, 63.7266



81.2610, 93.0174, 102.5655



37.4619, 56.9875, 23.4944



17.0251, 19.7235, 21.7684



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.



42.3269, 58.6100, 63.7266



54.8159, 79.7425, 85.1540



36.5444, 43.0558, 74.0972



13.3389, 14.7872, 16.2478



19.9144, 31.9984, 30.7783



1.3170, 2.0837, 2.1353

Inverse Universe

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



38.9483, 27.7396, 24.0726



49.6067, 31.8140, 23.7693



42.2735, 36.3137, 19.2504



13.1514, 13.0896, 14.0584



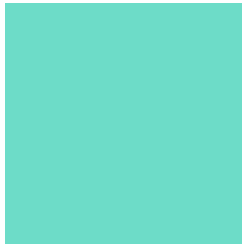
17.5728, 9.0301, 2.1302



1.1675, 0.5966, 0.2911

Previews

White Background



This preview shows how the XYZ color 42.3252, 58.6077, 63.7252 looks on a white background.

Color Contrast Check

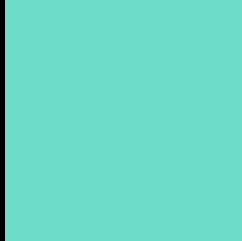
Large Text (above 18pt) WCAG AA × Fail

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 42.3252, 58.6077, 63.7252 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

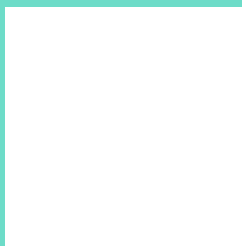
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3252, 58.6077, 63.7252

Background



This preview shows how black text looks on a background with the XYZ color 42.3252, 58.6077, 63.7252.



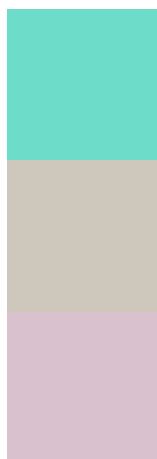
This preview shows how white text looks on a background with the XYZ color 42.3252, 58.6077,

63.7252.

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

42.3252, 58.6077, 63.7252

Protanopia

54.9541, 57.5995, 55.7984

Deuteranopia

59.0476, 57.7915, 66.4353



Tritanopia

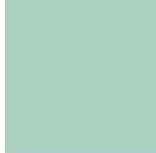
46.6162, 58.4060, 85.9073

Trichromacy



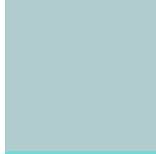
Original Color

42.3252, 58.6077, 63.7252



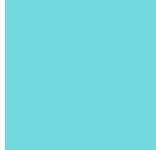
Protanomaly

48.6218, 57.0893, 58.3259



Deuteranomaly

50.6151, 56.5365, 65.3717



Tritanomaly

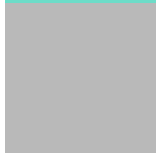
44.9342, 58.4910, 77.3282

Monochromacy



Original Color

42.3252, 58.6077, 63.7252



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.3930, 51.2740, 56.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3252, 58.6077, 63.7252 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(109, 220, 200)` looks like.

```
.text, #text, p{  
    color:rgb(109, 220, 200)  
}
```

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(109, 220, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 220, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.3252, 58.6077, 63.7252 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(109, 220, 200) }
```


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

```
.border{ border-color:rgb(109, 220, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 220, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 220, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 220, 200);  
box-shadow:4px 4px 4px 4px rgb(109, 220,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3252, 58.6077, 63.7252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 220, 200) }
```

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

```
.background{ background-color: rgb(109,  
220, 200) }
```

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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