

Converting Colors

XYZ(42.8148, 63.4152, 56.4774)

Have a look what the booklet for
XYZ(42.8148, 63.4152, 56.4774)
contains.

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Color

**XYZ(42.8057, 63.4637,
56.4480)**

Conversions

Conversions Part 1

Format	Color
Hex	65E7BA
RGB	101, 231, 186
RGB Percent	40%, 91%, 73%
CMY	0.6039, 0.0941, 0.2706
CMYK	0.56, 0.00, 0.19, 0.09
HSL	159°, 73%, 65%
HSV	159°, 56%, 91%
XYZ	42.8057, 63.4637, 56.4480
YIQ	187.0000, -63.0350, -41.5550

Conversions

Conversions Part 2

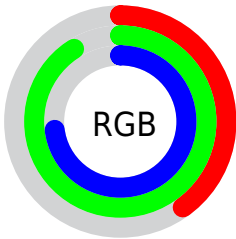
Format	Color
RYB	101, 180, 231
Decimal	6678458
CIELab	83.69, -46.42, 11.21
CIELCh	84, 47.755, 166.430
Yxy	63.4637, 0.2631, 0.3900
Android (android.graphics.Color)	4284868538 (0xFF65E7BA)
YUV	187.0000, -0.4930, -75.4220
Hunter-Lab	79.6641, -43.4993, 13.7535

Details

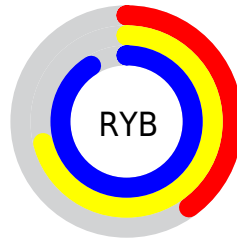
The XYZ color **42.8057, 63.4637, 56.4480** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **42.7991, 28.3733, 30.4175**, and the grayscale version is **47.2638, 49.7252, 54.1508**.

A 20% lighter version of the original color is **66.4850, 85.5079, 97.0049**, and **20.0156, 32.5864, 27.4252** is the 20% darker color. If you saturate the color by 10%, you get **39.7474, 61.9842, 51.9915**, and if you desaturate by 10%, it is **46.6418, 65.3419, 61.1921**.

Distribution



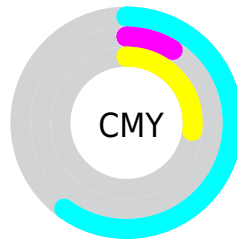
- Red (40%)
- Green (91%)
- Blue (73%)



- Red (40%)
- Yellow (71%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)





- Cyan (60%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8057, 63.4637, 56.4480 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 42.8057, 63.4637, 56.4480 by changing the saturation by 10% instead.


 42.8057, 63.4637,
56.4480


 42.8057, 63.4637,
56.4480

348.7472,
437.2504, 428.8133


 29.9266, 46.2164,
40.1558


 78.6751, 109.8382,
101.1516


 19.9306, 32.4167,
27.3453

 102.3961,
139.7343, 130.4001

 12.4526, 21.6799,
17.5980


 130.4617,
174.6154, 164.8045

 7.1271, 13.6219,
10.4953

 163.2374,
214.8659, 204.7833

 3.5887, 7.8582,
5.6187

201.0884,
260.8703, 250.7551

 1.4722, 4.0043,
2.5496

244.3801,

 0.3068, 1.6760,

313.0129, 303.1383

0.8663

293.4779,
371.6781, 362.3515

■ 0.0000, 0.4080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8057, 63.4637,
56.4480

■ 42.8057, 63.4637,
56.4480

■ 39.7474, 61.9842,
51.9915

■ 46.6418, 65.3419,
61.1921

■ 37.3983, 60.8633,
47.8112


■ 51.3065, 67.6401,
66.2259


■ 35.6861, 60.0654,
43.9009


■ 56.8525, 70.3869,
71.5571


■ 34.5187, 59.5431,
40.2522


■ 63.3263, 73.6062,
77.1916


 34.1660, 59.3896,
38.9567

 70.7711, 77.3204,
83.1352

 79.2274, 81.5500,
89.3933

 85.8408, 84.8236,
95.8358

 87.0684, 85.3146,
102.3005

 87.8670, 85.6340,
106.5057

Harmonies

Analogous

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



46.8903, 63.4637, 36.5183



42.8057, 63.4637, 56.4480



43.0127, 63.4637, 86.7066

Triad

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



42.8057, 63.4637, 56.4480



66.1896, 63.4637, 140.3815



75.2716, 63.4637, 35.2058

Complementary

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



42.8057, 63.4637, 56.4480



42.7991, 28.3733, 30.4175

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.



81.7410, 63.4637, 54.0564



42.8057, 63.4637, 56.4480



76.0972, 63.4637, 116.8901

Square

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



42.8057, 63.4637, 56.4480



55.7232, 63.4637, 141.5782



82.0595, 63.4637, 83.5166



65.1636, 63.4637, 26.8708

Rectangle

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



42.8057, 63.4637, 56.4480



45.5422, 63.4637, 109.2605



82.0595, 63.4637, 83.5166



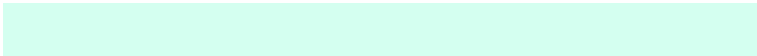
77.9926, 63.4637, 40.2295

Sweetspot

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



42.8074, 63.4662, 56.4495



78.5378, 91.7560, 96.0043



42.8701, 64.2510, 22.4552



16.4437, 19.4571, 20.2388



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.



42.8074, 63.4662, 56.4495



49.0524, 77.2349, 63.9369



43.2113, 55.3760, 84.0154



14.5844, 16.2472, 17.3422



19.2138, 33.3176, 22.1582



1.4632, 2.4794, 1.8658

Inverse Universe

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



42.7991, 28.3733, 30.4175



49.0817, 29.1762, 28.4888



42.0827, 31.4838, 16.1720



14.5819, 14.4500, 15.9988



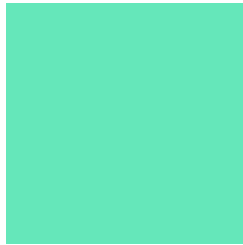
19.3388, 9.8697, 5.4132



1.4716, 0.7464, 0.6241

Previews

White Background



This preview shows how the XYZ color 42.8057, 63.4637, 56.4480 looks on a white background.

Color Contrast Check

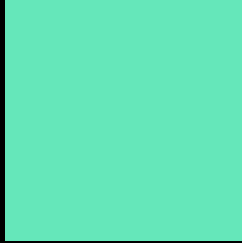
Large Text (above 18pt) WCAG AA × Fail

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 42.8057, 63.4637, 56.4480 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

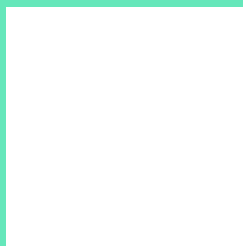
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8057, 63.4637, 56.4480

Background



This preview shows how black text looks on a background with the XYZ color 42.8057, 63.4637, 56.4480.



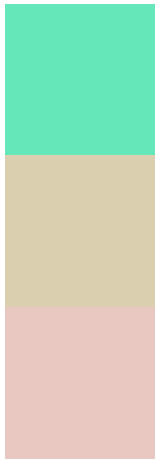
This preview shows how white text looks on a background with the XYZ color 42.8057, 63.4637,

56.4480.

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

42.8057, 63.4637, 56.4480

Protanopia

58.8662, 62.5871, 49.0223

Deuteranopia

63.5586, 62.3146, 59.1301



Tritanopia

49.8726, 63.0482, 92.7600

Trichromacy



Original Color

42.8057, 63.4637, 56.4480



Protanomaly

50.2709, 61.4400, 51.3290



Deuteranomaly

52.3557, 60.4966, 57.6328



Tritanomaly

46.9296, 63.0579, 78.1046

Monochromacy



Original Color

42.8057, 63.4637, 56.4480



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.0359, 53.3676, 54.9938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8057, 63.4637, 56.4480 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(101, 231, 186)` looks like.

```
.text, #text, p{  
    color:rgb(101, 231, 186)  
}
```

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(101, 231, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 231, 186) }
```

Border

The CSS property to change the border of an element to XYZ 42.8057, 63.4637, 56.4480 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(101, 231, 186) }
```


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

```
.border{ border-color:rgb(101, 231, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 231, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 231, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 231, 186); box-shadow:4px 4px 4px 4px rgb(101, 231, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8057, 63.4637, 56.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 231, 186) }
```

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

```
.background{ background-color: rgb(101,  
231, 186) }
```

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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