

Converting Colors

XYZ(42.4039, 61.9562, 59.3456)

Have a look what the booklet for
XYZ(42.4039, 61.9562, 59.3456)
contains.

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Color

**XYZ(42.4034, 61.9452,
59.5909)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 63E4C0 |
| RGB | 99, 228, 192 |
| RGB Percent | 39%, 89%, 75% |
| CMY | 0.6117, 0.1059, 0.2471 |
| CMYK | 0.57, 0.00, 0.16, 0.11 |
| HSL | 163°, 70%, 64% |
| HSV | 163°, 57%, 89% |
| XYZ | 42.4034, 61.9452, 59.5909 |
| YIQ | 185.3250, -65.3280, -38.5440 |

Conversions

Conversions Part 2

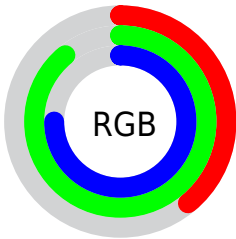
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 99, 174, 228 |
| Decimal | 6546624 |
| CIELab | 82.88, -44.17, 6.90 |
| CIElCh | 83, 44.707, 171.128 |
| Yxy | 61.9452, 0.2587, 0.3779 |
| Android (android.graphics.Color) | 4284736704 (0xFF63E4C0) |
| YUV | 185.3250, 3.2908, -75.7070 |
| Hunter-Lab | 78.7053, -41.5652, 10.2029 |

Details

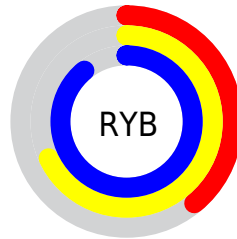
The XYZ color **42.4034, 61.9452, 59.5909** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.8320, 27.1685, 26.0159**, and the grayscale version is **46.3049, 48.7163, 53.0521**.

A 20% lighter version of the original color is **67.0014, 85.6682, 101.8112**, and **19.7661, 31.5513, 29.4743** is the 20% darker color. If you saturate the color by 10%, you get **39.5657, 60.5636, 55.8578**, and if you desaturate by 10%, it is **45.9781, 63.7063, 63.5204**.

Distribution



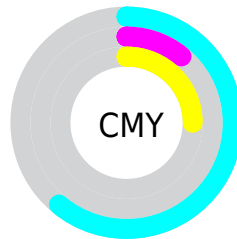
- Red (39%)
- Green (89%)
- Blue (75%)



- Red (39%)
- Yellow (68%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





- Cyan (61%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4034, 61.9452, 59.5909 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 42.4034, 61.9452, 59.5909 by changing the saturation by 10% instead.


 42.4034, 61.9452,
59.5909


 42.4034, 61.9452,
59.5909

347.1157,
431.7312, 440.8509


 29.6098, 44.9884,
42.6658


 78.0711, 107.6463,
105.7735


 19.6892, 31.4483,
29.2936


 101.6760,
137.1595, 135.8682

 12.2763, 20.9405,
19.0555


 129.6152,
171.6268, 171.1898

 7.0057, 13.0805,
11.5332

 162.2543,
211.4329, 212.1569

 3.5120, 7.4840,
6.3080

199.9585,
256.9619, 259.1880

 1.4299, 3.7666,
2.9615

243.0933,

 0.2774, 1.5439,

308.5984, 312.7017

1.0750

292.0239,
366.7267, 373.1165

■ 0.0000, 0.3193,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4034, 61.9452,
59.5909

■ 42.4034, 61.9452,
59.5909

■ 39.5657, 60.5636,
55.8578

■ 45.9781, 63.7063,
63.5204

■ 37.3985, 59.5226,
52.3119


■ 50.3387, 65.8675,
67.6464


■ 35.8320, 58.7878,
48.9492


■ 55.5359, 68.4564,
71.9746

■ 34.7755, 58.3126,
45.7635


■ 61.6147, 71.4960,
76.5090

 34.4789, 58.1827,
44.7111

 68.6167, 75.0079,
81.2533

 76.5807, 79.0120,
86.2112

 84.2041, 82.8368,
91.3235

 85.1482, 83.2144,
96.2954

 86.1257, 83.6054,
101.4426

Harmonies

Analogous

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



45.5988, 61.9452, 39.3278



42.4034, 61.9452, 59.5909



43.2313, 61.9452, 88.4378

Triad

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



42.4034, 61.9452, 59.5909



65.8107, 61.9452, 130.0334



71.2864, 61.9452, 33.9980

Complementary

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



42.4034, 61.9452, 59.5909



40.8320, 27.1685, 26.0159

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.



77.9045, 61.9452, 50.0732



42.4034, 61.9452, 59.5909



74.5111, 61.9452, 106.5278

Square

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



42.4034, 61.9452, 59.5909



56.0656, 61.9452, 134.6281



79.1448, 61.9452, 75.9666



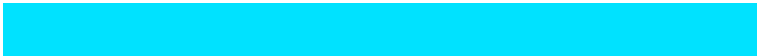
61.7809, 61.9452, 27.4327

Rectangle

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



42.4034, 61.9452, 59.5909



45.9953, 61.9452, 108.7126



79.1448, 61.9452, 75.9666



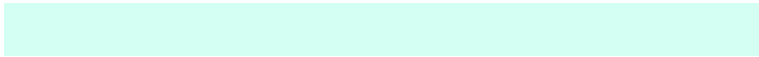
73.9639, 61.9452, 38.2216

Sweetspot

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



42.4051, 61.9476, 59.5923



78.9734, 91.9302, 98.2981



40.0778, 61.5868, 21.5805



16.5471, 19.4984, 20.7830



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.



42.4051, 61.9476, 59.5923



50.4194, 77.7817, 71.1356



39.8169, 49.5881, 80.8745



14.6269, 16.2642, 17.5658



19.9615, 33.6167, 26.0952



1.5141, 2.4998, 2.1338

Inverse Universe

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



40.8320, 27.1685, 26.0159



48.2560, 28.8460, 24.1413



41.8319, 32.5624, 15.8858



14.5415, 14.4338, 15.7858



19.0468, 9.7529, 3.8756



1.4461, 0.7362, 0.4897

Previews

White Background



This preview shows how the XYZ color 42.4034, 61.9452, 59.5909 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 42.4034, 61.9452, 59.5909 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

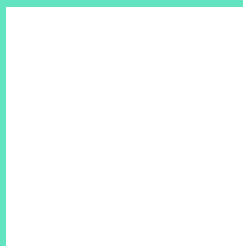
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4034, 61.9452, 59.5909

Background



This preview shows how black text looks on a background with the XYZ color 42.4034, 61.9452, 59.5909.

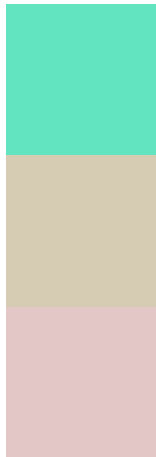


This preview shows how white text looks on a background with the XYZ color 42.4034, 61.9452,

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

42.4034, 61.9452, 59.5909

Protanopia

57.5626, 60.7772, 51.8773

Deuteranopia

62.0657, 60.7963, 61.8897



Tritanopia

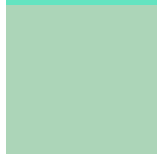
48.5067, 61.5897, 90.9928

Trichromacy



Original Color

42.4034, 61.9452, 59.5909



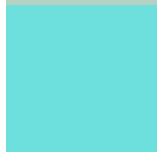
Protanomaly

49.4592, 59.8198, 54.2870



Deuteranomaly

51.5867, 59.2897, 60.9497



Tritanomaly

46.1471, 61.8364, 78.6107

Monochromacy



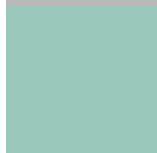
Original Color

42.4034, 61.9452, 59.5909



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.2902, 52.2742, 55.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4034, 61.9452, 59.5909 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(99, 228, 192)` looks like.

```
.text, #text, p{  
    color:rgb(99, 228, 192)  
}
```

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(99, 228, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 228, 192) }
```

Border

The CSS property to change the border of an element to XYZ 42.4034, 61.9452, 59.5909 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(99, 228, 192) }
```


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

```
.border{ border-color:rgb(99, 228, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 228, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 228, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 228, 192);  
box-shadow:4px 4px 4px 4px rgb(99, 228,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4034, 61.9452, 59.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 228, 192) }
```

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

```
.background{ background-color: rgb(99, 228,  
192) }
```

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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