

Converting Colors

XYZ(42.6255, 61.9924, 62.1582)

Have a look what the booklet for
XYZ(42.6255, 61.9924, 62.1582)
contains.

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Color

**XYZ(42.6370, 62.0137,
61.9472)**

Conversions

Conversions Part 1

Format	Color
Hex	61E4C4
RGB	97, 228, 196
RGB Percent	38%, 89%, 77%
CMY	0.6196, 0.1059, 0.2314
CMYK	0.57, 0.00, 0.14, 0.11
HSL	165°, 71%, 64%
HSV	165°, 57%, 89%
XYZ	42.6370, 62.0137, 61.9472
YIQ	185.1830, -67.8040, -37.7240

Conversions

Conversions Part 2

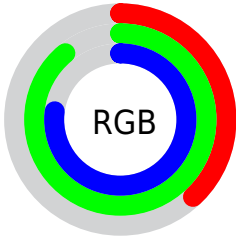
Format	Color
RYB	97, 172, 228
Decimal	6415556
CIELab	82.92, -43.63, 4.83
CIELCh	83, 43.895, 173.683
Yxy	62.0137, 0.2559, 0.3722
Android (android.graphics.Color)	4284605636 (0xFF61E4C4)
YUV	185.1830, 5.3328, -77.3365
Hunter-Lab	78.7488, -41.1650, 8.4841

Details

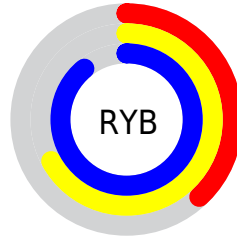
The XYZ color **42.6370, 62.0137, 61.9472** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **40.2342, 26.6301, 23.7908**, and the grayscale version is **46.2158, 48.6227, 52.9501**.

A 20% lighter version of the original color is **67.5902, 85.8809, 105.9428**, and **19.8487, 31.5682, 30.6383** is the 20% darker color. If you saturate the color by 10%, you get **39.9258, 60.6895, 58.5730**, and if you desaturate by 10%, it is **46.0732, 63.7120, 65.4810**.

Distribution



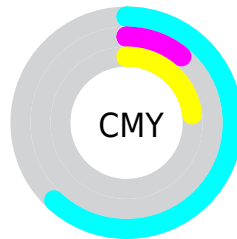
- Red (38%)
- Green (89%)
- Blue (77%)



- Red (38%)
- Yellow (67%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)





- Cyan (62%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6370, 62.0137, 61.9472 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 42.6370, 62.0137, 61.9472 by changing the saturation by 10% instead.


 42.6370, 62.0137,
61.9472


 42.6370, 62.0137,
61.9472


348.0637,
431.9811, 449.7408


 29.7937, 45.0438,
44.5545


 78.4219, 107.7453,
109.2201


 19.8293, 31.4919,
30.7663


 102.0942,
137.2758, 139.9373

 12.3786, 20.9737,
20.1640


 130.1070,
171.7620, 175.9332

 7.0761, 13.1048,
12.3290

 162.8254,
211.5881, 217.6263

 3.5565, 7.5007,
6.8429

200.6149,
257.1387, 265.4350

 1.4544, 3.7772,
3.2871

243.8409,

 0.2945, 1.5497,

308.7982, 319.7780

1.2430

292.8687,
366.9508, 381.0737

■ 0.0000, 0.3233,
0.0144

■ 0.0000, 0.0000,
0.0000

■ 42.6370, 62.0137,
61.9472

■ 42.6370, 62.0137,
61.9472

■ 39.9258, 60.6895,
58.5730

■ 46.0732, 63.7120,
65.4810

■ 37.8725, 59.7002,
55.3497


■ 50.2838, 65.8053,
69.1738


■ 36.4063, 59.0109,
52.2742


■ 55.3198, 68.3213,
73.0307

■ 35.4300, 58.5715,
49.3405


■ 61.2262, 71.2832,
77.0551


 35.2201, 58.4791,
48.6144

 68.0448, 74.7125,
81.2501

 75.8147, 78.6294,
85.6188

 83.9786, 82.7465,
90.1363

 84.7962, 83.0736,
94.4416

 85.6392, 83.4108,
98.8807

Harmonies

Analogous

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



45.4573, 62.0137, 41.1130



42.6370, 62.0137, 61.9472



43.7937, 62.0137, 90.7034

Triad

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



42.6370, 62.0137, 61.9472



66.5609, 62.0137, 127.4032



70.3941, 62.0137, 33.6239

Complementary

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



42.6370, 62.0137, 61.9472



40.2342, 26.6301, 23.7908

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.



77.2340, 62.0137, 48.6712



42.6370, 62.0137, 61.9472



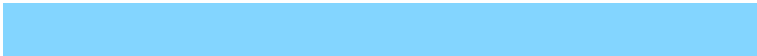
74.8604, 62.0137, 103.3446

Square

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



42.6370, 62.0137, 61.9472



56.9619, 62.0137, 133.7262



78.9501, 62.0137, 73.4224



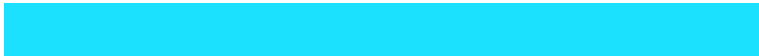
60.9678, 62.0137, 27.8294

Rectangle

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



42.6370, 62.0137, 61.9472



46.7334, 62.0137, 110.3102



78.9501, 62.0137, 73.4224



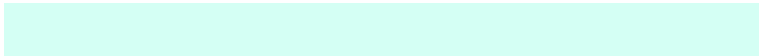
73.1111, 62.0137, 37.5359

Sweetspot

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



42.6387, 62.0161, 61.9486



79.2020, 92.0217, 99.5022



39.0707, 61.0785, 21.0406



16.6014, 19.5201, 21.0690



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.



42.6387, 62.0161, 61.9486



50.8744, 77.9387, 74.6608



38.5065, 47.2875, 80.4994



14.6490, 16.2730, 17.6826



20.3858, 33.7864, 28.3295



1.5425, 2.5111, 2.2832

Inverse Universe

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



40.2342, 26.6301, 23.7908



47.5545, 28.2651, 21.3725



42.1040, 33.2578, 15.5108



14.5206, 14.4254, 15.6761



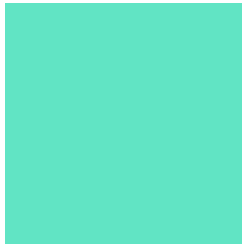
18.9223, 9.7031, 3.2198



1.4344, 0.7315, 0.4283

Previews

White Background



This preview shows how the XYZ color 42.6370, 62.0137, 61.9472 looks on a white background.

Color Contrast Check

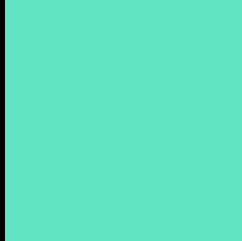
Large Text (above 18pt) WCAG AA × Fail

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 42.6370, 62.0137, 61.9472 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

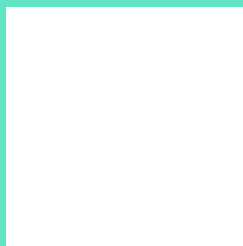
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6370, 62.0137, 61.9472

Background



This preview shows how black text looks on a background with the XYZ color 42.6370, 62.0137, 61.9472.



This preview shows how white text looks on a background with the XYZ color 42.6370, 62.0137,

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

42.6370, 62.0137, 61.9472

Protanopia

57.8717, 60.9008, 53.5046

Deuteranopia

62.2188, 60.8212, 64.3375



Tritanopia

48.5315, 61.9786, 91.8433

Trichromacy



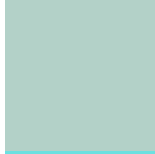
Original Color

42.6370, 62.0137, 61.9472



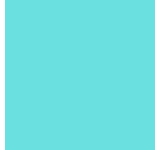
Protanomaly

49.6659, 59.8773, 56.5167



Deuteranomaly

51.8162, 59.3548, 63.3692



Tritanomaly

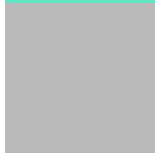
46.1736, 61.8189, 80.0197

Monochromacy



Original Color

42.6370, 62.0137, 61.9472



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.2088, 52.2197, 55.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6370, 62.0137, 61.9472 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(97, 228, 196)` looks like.

```
.text, #text, p{  
    color:rgb(97, 228, 196)  
}
```

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(97, 228, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 228, 196) }
```

Border

The CSS property to change the border of an element to XYZ 42.6370, 62.0137, 61.9472 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(97, 228, 196) }
```


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

```
.border{ border-color:rgb(97, 228, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 228, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 228, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 228, 196);  
box-shadow:4px 4px 4px 4px rgb(97, 228,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6370, 62.0137, 61.9472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 228, 196) }
```

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

```
.background{ background-color: rgb(97, 228,  
196) }
```

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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