

Converting Colors

XYZ(42.4311, 62.7257, 61.3672)

Have a look what the booklet for
XYZ(42.4311, 62.7257, 61.3672)
contains.

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Color

**XYZ(42.4615, 62.7579,
61.5053)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE6C3
RGB	91, 230, 195
RGB Percent	36%, 90%, 76%
CMY	0.6431, 0.0980, 0.2353
CMYK	0.60, 0.00, 0.15, 0.10
HSL	165°, 74%, 63%
HSV	165°, 60%, 90%
XYZ	42.4615, 62.7579, 61.5053
YIQ	184.4490, -71.6090, -40.3530

Conversions

Conversions Part 2

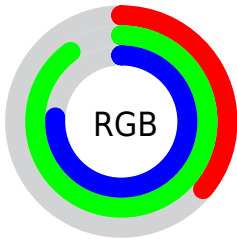
Format	Color
RYB	91, 171, 230
Decimal	6022851
CIELab	83.31, -45.85, 5.90
CIELCh	83, 46.232, 172.663
Yxy	62.7579, 0.2547, 0.3764
Android (android.graphics.Color)	4284212931 (0xFF5BE6C3)
YUV	184.4490, 5.2016, -81.9548
Hunter-Lab	79.2199, -42.9596, 9.4219

Details

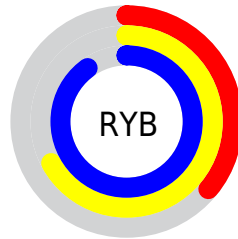
The XYZ color **42.4615, 62.7579, 61.5053** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **40.1422, 25.8131, 22.6076**, and the grayscale version is **45.8104, 48.1961, 52.4855**.

A 20% lighter version of the original color is **66.4676, 85.3206, 105.0608**, and **19.9438, 32.1952, 30.3625** is the 20% darker color. If you saturate the color by 10%, you get **39.8902, 61.5081, 58.0335**, and if you desaturate by 10%, it is **45.7563, 64.3809, 65.1463**.

Distribution



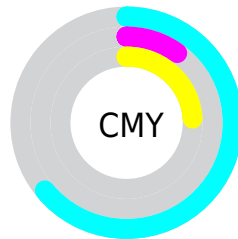
- Red (36%)
- Green (90%)
- Blue (76%)



- Red (36%)
- Yellow (67%)
- Blue (90%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)




- Cyan (64%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4615, 62.7579, 61.5053 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 42.4615, 62.7579, 61.5053 by changing the saturation by 10% instead.


 42.4615, 62.7579,
61.5053


 42.4615, 62.7579,
61.5053


347.3516,
434.6903, 448.0820


 29.6555, 45.6454,
44.1999


 78.1584, 108.8202,
108.5749


 19.7240, 31.9661,
30.4893


 101.7800,
138.5387, 139.1761

 12.3017, 21.3356,
19.9551


 129.7376,
173.2280, 175.0464

 7.0232, 13.3695,
12.1787

 162.3964,
213.2725, 216.6042

 3.5230, 7.6835,
6.7415

200.1219,
259.0566, 264.2682

 1.4360, 3.8931,
3.2250

243.2793,

 0.2817, 1.6139,

310.9647, 318.4568

1.2106

292.2341,
369.3811, 379.5885

■ 0.0000, 0.3670,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4615, 62.7579,
61.5053

■ 42.4615, 62.7579,
61.5053

■ 39.8902, 61.5081,
58.0335

■ 45.7563, 64.3809,
65.1463

■ 37.9711, 60.5901,
54.7221


■ 49.8272, 66.3993,
68.9563


■ 36.6272, 59.9657,
51.5671

■ 54.7276, 68.8425,
72.9407


■ 35.7525, 59.5776,
48.6881


■ 60.5048, 71.7346,
77.1030

 67.2026, 75.0982,
81.4467

 74.8614, 78.9542,
85.9751

 83.5196, 83.3223,
90.6913

 85.4654, 84.2268,
95.2357

 86.3462, 84.5791,
99.8740

Harmonies

Analogous

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



45.5653, 62.7579, 39.9607



42.4615, 62.7579, 61.5053



43.5339, 62.7579, 91.9545

Triad

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



42.4615, 62.7579, 61.5053



67.4102, 62.7579, 133.1895



72.1553, 62.7579, 33.0970

Complementary

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



42.4615, 62.7579, 61.5053



40.1422, 25.8131, 22.6076

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.



79.3197, 62.7579, 49.1481



42.4615, 62.7579, 61.5053



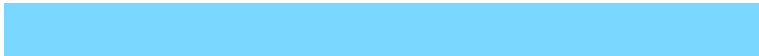
76.3725, 62.7579, 107.6987

Square

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



42.4615, 62.7579, 61.5053



57.2153, 62.7579, 139.2401



80.9438, 62.7579, 75.6475



62.1517, 62.7579, 26.8254

Rectangle

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



42.4615, 62.7579, 61.5053



46.5368, 62.7579, 113.1231



80.9438, 62.7579, 75.6475



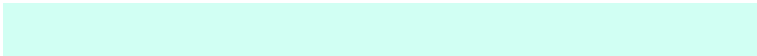
75.0195, 62.7579, 37.2684

Sweetspot

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



42.4633, 62.7604, 61.5068



78.3273, 91.5877, 98.6941



39.0992, 61.9459, 19.7946



16.2657, 19.3530, 20.7867



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.



42.4633, 62.7604, 61.5068



49.6041, 77.3399, 72.0687



38.6944, 48.1299, 82.1163



14.6442, 16.2711, 17.6573



20.2919, 33.7489, 27.8351



1.5362, 2.5086, 2.2503

Inverse Universe

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



40.1422, 25.8131, 22.6076



46.4953, 26.7524, 19.1525



41.6603, 31.8538, 13.8512



14.5251, 14.4272, 15.6998



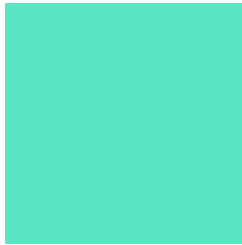
18.9477, 9.7133, 3.3537



1.4369, 0.7325, 0.4411

Previews

White Background



This preview shows how the XYZ color 42.4615, 62.7579, 61.5053 looks on a white background.

Color Contrast Check

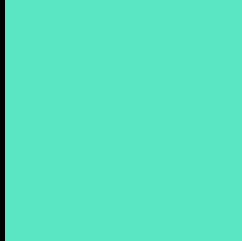
Large Text (above 18pt) WCAG AA × Fail

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 42.4615, 62.7579, 61.5053 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

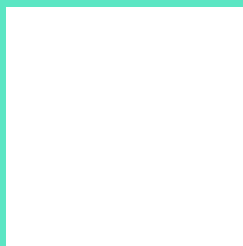
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4615, 62.7579, 61.5053

Background



This preview shows how black text looks on a background with the XYZ color 42.4615, 62.7579, 61.5053.



This preview shows how white text looks on a background with the XYZ color 42.4615, 62.7579,

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

42.4615, 62.7579, 61.5053

Protanopia

58.2992, 61.4871, 53.0515

Deuteranopia

62.7626, 61.4420, 64.4287



Tritanopia

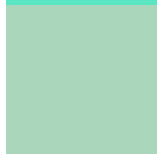
48.5990, 62.3743, 93.4824

Trichromacy



Original Color

42.4615, 62.7579, 61.5053



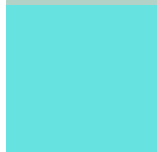
Protanomaly

49.5938, 60.2270, 56.0248



Deuteranomaly

51.7155, 59.6817, 62.8269



Tritanomaly

46.2665, 62.6537, 80.8890

Monochromacy



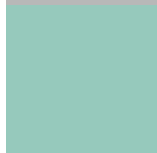
Original Color

42.4615, 62.7579, 61.5053



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.5414, 51.8882, 55.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4615, 62.7579, 61.5053 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(91, 230, 195)` looks like.

```
.text, #text, p{  
    color:rgb(91, 230, 195)  
}
```

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(91, 230, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 230, 195) }
```

Border

The CSS property to change the border of an element to XYZ 42.4615, 62.7579, 61.5053 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(91, 230, 195) }
```


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

```
.border{ border-color:rgb(91, 230, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 230, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 230, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 230, 195);  
box-shadow:4px 4px 4px 4px rgb(91, 230,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4615, 62.7579, 61.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 230, 195) }
```

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

```
.background{ background-color: rgb(91, 230,  
195) }
```

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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