

Converting Colors

XYZ(42.7470, 62.5950, 64.4696)

Have a look what the booklet for
XYZ(42.7470, 62.5950, 64.4696)
contains.

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Color

**XYZ(42.6611, 62.3824,
64.4361)**

Conversions

Conversions Part 1

Format	Color
Hex	5AE5C8
RGB	90, 229, 200
RGB Percent	35%, 90%, 78%
CMY	0.6470, 0.1019, 0.2157
CMYK	0.61, 0.00, 0.13, 0.10
HSL	167°, 73%, 63%
HSV	167°, 61%, 90%
XYZ	42.6611, 62.3824, 64.4361
YIQ	184.1330, -73.5350, -38.4870

Conversions

Conversions Part 2

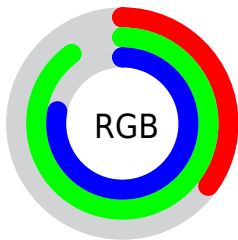
Format	Color
RYB	90, 168, 229
Decimal	5957064
CIELab	83.12, -44.40, 2.98
CIELCh	83, 44.500, 176.165
Yxy	62.3824, 0.2517, 0.3681
Android (android.graphics.Color)	4284147144 (0xFF5AE5C8)
YUV	184.1330, 7.8224, -82.5546
Hunter-Lab	78.9825, -41.8056, 6.9174

Details

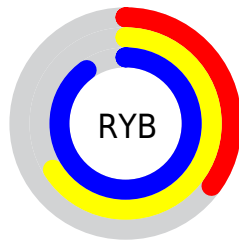
The XYZ color **42.6611, 62.3824, 64.4361** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.3012, 25.3040, 20.2679**, and the grayscale version is **45.6224, 47.9983, 52.2702**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **20.1319, 31.9625, 32.3024** is the 20% darker color. If you saturate the color by 10%, you get **40.2179, 61.1880, 61.4531**, and if you desaturate by 10%, it is **45.8112, 63.9423, 67.5460**.

Distribution



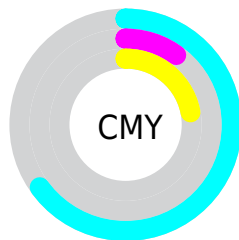
- Red (35%)
- Green (90%)
- Blue (78%)



- Red (35%)
- Yellow (66%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (65%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6611, 62.3824, 64.4361 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 42.6611, 62.3824, 64.4361 by changing the saturation by 10% instead.

42.6611, 62.3824,
64.4361

42.6611, 62.3824,
64.4361

348.1614,
433.3246, 459.0134

29.8127, 45.3418,
46.5555

78.4581, 108.2780,
112.8443

19.8438, 31.7267,
32.3326

102.1374,
137.9018, 144.2089

12.3892, 21.1528,
21.3488

130.1577,
172.4887, 180.9054

7.0834, 13.2358,
13.1854

162.8843,
212.4232, 223.3522

3.5611, 7.5911,
7.4241

200.6826,
258.0896, 271.9678

1.4570, 3.8344,
3.6463

243.9180,

0.2963, 1.5814,

309.8724, 327.1709

1.4334

292.9558,
368.1559, 389.3799

■ 0.0000, 0.3450,
0.1676

■ 0.0000, 0.0000,
0.0000

■ 42.6611, 62.3824,
64.4361

■ 42.6611, 62.3824,
64.4361

■ 40.2179, 61.1880,
61.4531

■ 45.8112, 63.9423,
67.5460

■ 38.4109, 60.3179,
58.5889


■ 49.7201, 65.8899,
70.7820

■ 37.1637, 59.7345,
55.8403


■ 54.4409, 68.2539,
74.1487


■ 36.3836, 59.3860,
53.3806


■ 60.0203, 71.0585,
77.6491

 66.5015, 74.3259,
81.2860

 73.9246, 78.0767,
85.0620

 82.3274, 82.3306,
88.9797

 84.7264, 83.4871,
92.7130

 85.4388, 83.7721,
96.4647

Harmonies

Analogous

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



45.1959, 62.3824, 42.4554



42.6611, 62.3824, 64.4361



44.1696, 62.3824, 94.1110

Triad

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



42.6611, 62.3824, 64.4361



67.8434, 62.3824, 127.5460



70.2188, 62.3824, 32.6946

Complementary

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



42.6611, 62.3824, 64.4361



39.3012, 25.3040, 20.2679

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.



77.5247, 62.3824, 47.1098



42.6611, 62.3824, 64.4361



76.0523, 62.3824, 101.9598

Square

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



42.6611, 62.3824, 64.4361



58.0619, 62.3824, 135.8134



79.7665, 62.3824, 71.5352



60.5405, 62.3824, 27.5450

Rectangle

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



42.6611, 62.3824, 64.4361



47.3640, 62.3824, 113.8386



79.7665, 62.3824, 71.5352



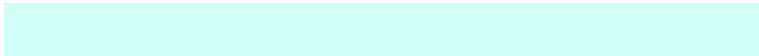
73.0726, 62.3824, 36.3878

Sweetspot

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



42.6629, 62.3848, 64.4376



78.6289, 91.7083, 100.2824



37.6287, 60.7808, 19.4227



16.3400, 19.3827, 21.1780



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.



42.6629, 62.3848, 64.4376



50.6190, 77.7459, 77.4126



36.6918, 44.4942, 80.7858



14.6719, 16.2822, 17.8028



20.8469, 33.9708, 30.7576



1.5730, 2.5233, 2.4438

Inverse Universe

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



39.3012, 25.3040, 20.2679



46.0492, 26.5739, 16.8033



42.0615, 33.1999, 13.8655



14.4994, 14.4169, 15.5642



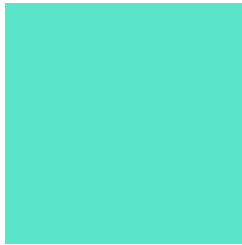
18.8128, 9.6593, 2.6433



1.4236, 0.7271, 0.3711

Previews

White Background



This preview shows how the XYZ color 42.6611, 62.3824, 64.4361 looks on a white background.

Color Contrast Check

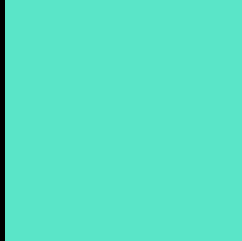
Large Text (above 18pt) WCAG AA × Fail

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 42.6611, 62.3824, 64.4361 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

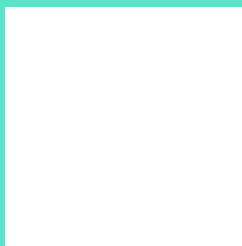
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6611, 62.3824, 64.4361

Background



This preview shows how black text looks on a background with the XYZ color 42.6611, 62.3824, 64.4361.



This preview shows how white text looks on a background with the XYZ color 42.6611, 62.3824,

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

42.6611, 62.3824, 64.4361

Protanopia

58.2415, 61.3966, 55.7948

Deuteranopia

62.6153, 61.3106, 66.9265



Tritanopia

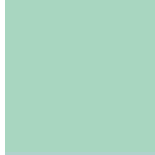
48.2087, 62.1904, 92.6822

Trichromacy



Original Color

42.6611, 62.3824, 64.4361



Protanomaly

49.7094, 60.2237, 58.8736



Deuteranomaly

51.8502, 59.6829, 65.9139



Tritanomaly

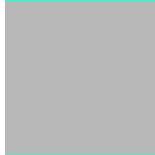
45.9082, 62.0507, 81.5089

Monochromacy



Original Color

42.6611, 62.3824, 64.4361



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.5262, 51.5103, 56.4163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6611, 62.3824, 64.4361 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(90, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(90, 229, 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(90, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 229, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.6611, 62.3824, 64.4361 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(90, 229, 200) }
```


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

```
.border{ border-color:rgb(90, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(90, 229,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6611, 62.3824, 64.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 229, 200) }
```

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

```
.background{ background-color: rgb(90, 229,  
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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