

Converting Colors

XYZ(41.3012, 64.2623, 53.9788)

Have a look what the booklet for
XYZ(41.3012, 64.2623, 53.9788)
contains.

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Color

**XYZ(41.4422, 64.5022,
53.9820)**

Conversions

Conversions Part 1

Format	Color
Hex	51EBB5
RGB	81, 235, 181
RGB Percent	32%, 92%, 71%
CMY	0.6823, 0.0784, 0.2902
CMYK	0.66, 0.00, 0.23, 0.08
HSL	159°, 79%, 62%
HSV	159°, 66%, 92%
XYZ	41.4422, 64.5022, 53.9820
YIQ	182.7980, -74.4500, -49.4420

Conversions

Conversions Part 2

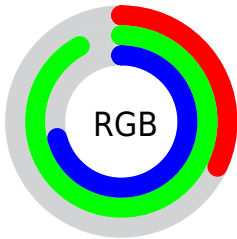
Format	Color
RYB	81, 174, 235
Decimal	5368757
CIELab	84.23, -52.87, 14.51
CIELCh	84, 54.822, 164.650
Yxy	64.5022, 0.2591, 0.4033
Android (android.graphics.Color)	4283558837 (0xFF51EBB5)
YUV	182.7980, -0.8864, -89.2768
Hunter-Lab	80.3133, -48.4410, 16.3679

Details

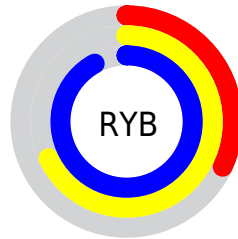
The XYZ color **41.4422, 64.5022, 53.9820** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.5788, 25.2980, 25.6159**, and the grayscale version is **44.9347, 47.2748, 51.4823**.

A 20% lighter version of the original color is **62.9001, 83.7454, 92.9701**, and **19.8167, 33.3993, 25.8243** is the 20% darker color. If you saturate the color by 10%, you get **38.9455, 63.3116, 49.5819**, and if you desaturate by 10%, it is **44.6890, 66.0770, 58.6812**.

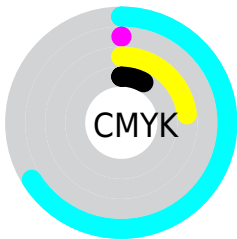
Distribution



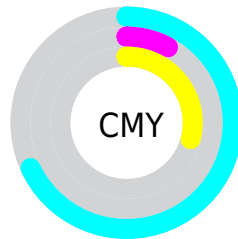
- Red (32%)
- Green (92%)
- Blue (71%)



- Red (32%)
- Yellow (68%)
- Blue (92%)



- Cyan (66%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)





- Cyan (68%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4422, 64.5022, 53.9820 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 41.4422, 64.5022, 53.9820 by changing the saturation by 10% instead.


 41.4422, 64.5022,
53.9820


 41.4422, 64.5022,
53.9820


343.1965,
441.0009, 419.2140


 28.8540, 47.0575,
38.1942


 76.6252, 111.3339,
97.5040


 19.1141, 33.0811,
25.8304


 99.9507, 141.4897,
126.0752

 11.8573, 22.1886,
16.4722


 127.5859,
176.6513, 159.7446

 6.7181, 13.9956,
9.7010

 159.8963,
217.2032, 198.9308

 3.3312, 8.1176,
5.0981

197.2472,
263.5297, 244.0523

 1.3312, 4.1703,
2.2452

240.0040,

 0.2064, 1.7693,

316.0152, 295.5277

0.7003

288.5320,
375.0442, 353.7754

■ 0.0000, 0.4679,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4422, 64.5022,
53.9820

■ 41.4422, 64.5022,
53.9820

■ 38.9455, 63.3116,
49.5819

■ 44.6890, 66.0770,
58.6812

■ 37.1173, 62.4583,
45.4683


■ 48.7460, 68.0620,
63.6824


■ 35.8655, 61.8965,
41.6337


■ 53.6733, 70.4896,
68.9941


■ 35.4259, 61.7055,
40.0057


■ 59.5233, 73.3869,
74.6228

 66.3446, 76.7787,
80.5750

 74.1818, 80.6880,
86.8567

 83.0770, 85.1364,
93.4738

 87.7269, 87.3899,
100.1818

 88.9995, 87.8989,
106.8832

Harmonies

Analogous

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



46.3242, 64.5022, 32.6039



41.4422, 64.5022, 53.9820



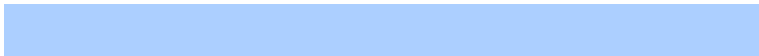
41.3854, 64.5022, 88.5303

Triad

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



41.4422, 64.5022, 53.9820



67.4018, 64.5022, 156.7823



79.4557, 64.5022, 32.9513

Complementary

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



41.4422, 64.5022, 53.9820



41.5788, 25.2980, 25.6159

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.



86.7741, 64.5022, 54.6465



41.4422, 64.5022, 53.9820



79.2163, 64.5022, 129.3249

Square

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



41.4422, 64.5022, 53.9820



55.3343, 64.5022, 156.4217



86.6811, 64.5022, 89.4538



67.6956, 64.5022, 23.4822

Rectangle

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



41.4422, 64.5022, 53.9820



44.0418, 64.5022, 115.5038



86.6811, 64.5022, 89.4538



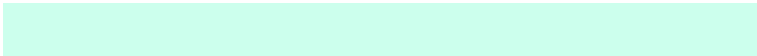
82.5817, 64.5022, 38.6703

Sweetspot

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



41.4440, 64.5048, 53.9835



75.9649, 90.4786, 93.6701



41.5889, 65.3714, 18.2116



15.7706, 19.1231, 19.6186



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.



41.4440, 64.5048, 53.9835



45.9467, 75.7676, 57.7477



42.5557, 56.0797, 87.1818



15.2803, 17.0270, 18.1591



19.7781, 34.3657, 22.5943



1.5983, 2.7166, 2.0125

Inverse Universe

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



41.5788, 25.2980, 25.6159



46.1885, 25.3167, 21.5845



40.4538, 27.6693, 10.9942



15.2836, 15.1413, 16.7786



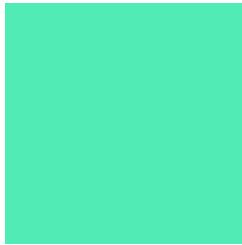
19.9787, 10.1942, 5.6891



1.6129, 0.8181, 0.6791

Previews

White Background



This preview shows how the XYZ color 41.4422, 64.5022, 53.9820 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 41.4422, 64.5022, 53.9820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

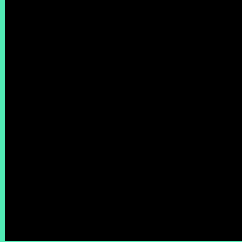
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4422, 64.5022, 53.9820

Background



This preview shows how black text looks on a background with the XYZ color 41.4422, 64.5022, 53.9820.

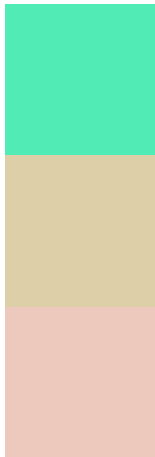


This preview shows how white text looks on a background with the XYZ color 41.4422, 64.5022,

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

41.4422, 64.5022, 53.9820

Protanopia

59.4426, 63.3111, 46.1331

Deuteranopia

64.5558, 63.2370, 56.3805



Tritanopia

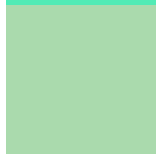
49.6216, 64.0495, 96.1336

Trichromacy



Original Color

41.4422, 64.5022, 53.9820



Protanomaly

49.1918, 61.7060, 48.8529



Deuteranomaly

51.3736, 60.7946, 54.9258



Tritanomaly

46.1339, 63.8539, 79.0008

Monochromacy



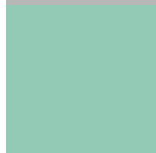
Original Color

41.4422, 64.5022, 53.9820



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.4181, 51.7295, 52.0578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4422, 64.5022, 53.9820 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(81, 235, 181)` looks like.

```
.text, #text, p{  
    color:rgb(81, 235, 181)  
}
```

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(81, 235, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 235, 181) }
```

Border

The CSS property to change the border of an element to XYZ 41.4422, 64.5022, 53.9820 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(81, 235, 181) }
```


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

```
.border{ border-color:rgb(81, 235, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 235, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 235, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 235, 181);  
box-shadow:4px 4px 4px 4px rgb(81, 235,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4422, 64.5022, 53.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 235, 181) }
```

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

```
.background{ background-color: rgb(81, 235,  
181) }
```

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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