

Converting Colors

XYZ(41.6157, 65.9616, 49.1627)

Have a look what the booklet for
XYZ(41.6157, 65.9616, 49.1627)
contains.

XYZ(41.5814, 65.9742, 49.0708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.5814, 65.9742,
49.0708)**

Conversions

Conversions Part 1

Format	Color
Hex	54EEAB
RGB	84, 238, 171
RGB Percent	33%, 93%, 67%
CMY	0.6706, 0.0667, 0.3294
CMYK	0.65, 0.00, 0.28, 0.07
HSL	154°, 82%, 63%
HSV	154°, 65%, 93%
XYZ	41.5814, 65.9742, 49.0708
YIQ	184.3160, -70.2770, -53.4850

Conversions

Conversions Part 2

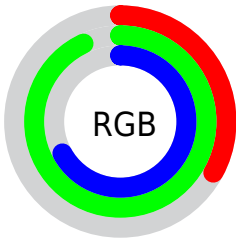
Format	Color
RYB	84, 182, 238
Decimal	5566123
CIELab	84.98, -55.70, 20.77
CIElCh	85, 59.451, 159.551
Yxy	65.9742, 0.2655, 0.4212
Android (android.graphics.Color)	4283756203 (0xFF54EEAB)
YUV	184.3160, -6.5648, -87.9771
Hunter-Lab	81.2245, -50.7631, 21.0378

Details

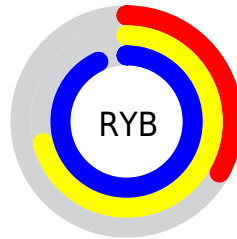
The XYZ color **41.5814, 65.9742, 49.0708** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **44.0183, 26.7537, 32.1247**, and the grayscale version is **45.7993, 48.1845, 52.4729**.

A 20% lighter version of the original color is **61.8379, 83.3620, 85.5043**, and **19.8536, 34.3797, 23.0423** is the 20% darker color. If you saturate the color by 10%, you get **38.8535, 64.6793, 43.9919**, and if you desaturate by 10%, it is **45.1135, 67.6783, 54.5940**.

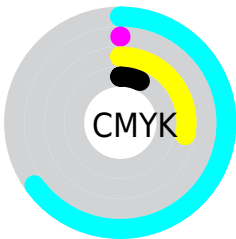
Distribution



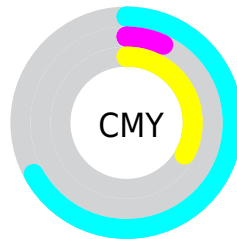
- Red (33%)
- Green (93%)
- Blue (67%)



- Red (33%)
- Yellow (71%)
- Blue (93%)



- Cyan (65%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (67%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5814, 65.9742, 49.0708 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 41.5814, 65.9742, 49.0708 by changing the saturation by 10% instead.


 41.5814, 65.9742,
49.0708


 41.5814, 65.9742,
49.0708


343.7660,
446.2846, 399.6515

 28.9633, 48.2515,
34.3096


 76.8348, 113.4493,
90.1787


 19.1972, 34.0261,
22.8523


 100.2009,
143.9705, 117.3625

 11.9177, 22.9136,
14.2802


 127.8804,
179.5265, 149.5242

 6.7595, 14.5297,
8.1748

 160.2386,
220.5019, 187.0825

 3.3571, 8.4900,
4.1177

197.6409,
267.2810, 230.4558

 1.3453, 4.4101,
1.6901

240.4527,

 0.2167, 1.9055,

320.2483, 280.0627

0.3539

289.0392,
379.7880, 336.3218

■ 0.0000, 0.5517,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5814, 65.9742,
49.0708

■ 41.5814, 65.9742,
49.0708

■ 38.8535, 64.6793,
43.9919

■ 45.1135, 67.6783,
54.5940

■ 36.8460, 63.7453,
39.3397


■ 49.5123, 69.8182,
60.5689


■ 35.4649, 63.1257,
35.1019


■ 54.8399, 72.4277,
67.0085

■ 34.9106, 62.8854,
33.0187

■ 61.1508, 75.5345,
73.9236

 68.4953, 79.1646,
81.3249

 76.9202, 83.3417,
89.2224

 86.4693, 88.0883,
97.6257

 89.6799, 89.5571,
106.1932

 89.8657, 89.6315,
107.1719

Harmonies

Analogous

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



47.7273, 65.9742, 28.7234



41.5814, 65.9742, 49.0708



40.6283, 65.9742, 84.7489

Triad

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



41.5814, 65.9742, 49.0708



67.0670, 65.9742, 171.5766



84.6776, 65.9742, 34.4279

Complementary

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



41.5814, 65.9742, 49.0708



44.0183, 26.7537, 32.1247

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.



91.6101, 65.9742, 60.3040



41.5814, 65.9742, 49.0708



80.5315, 65.9742, 144.8225

Square

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



41.5814, 65.9742, 49.0708



54.1512, 65.9742, 165.1942



89.9935, 65.9742, 100.7326



72.1185, 65.9742, 22.5933

Rectangle

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



41.5814, 65.9742, 49.0708



42.9055, 65.9742, 114.5813



89.9935, 65.9742, 100.7326



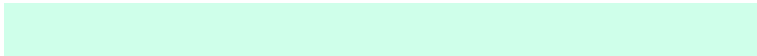
87.8189, 65.9742, 41.3115

Sweetspot

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



41.5832, 65.9768, 49.0723



76.2064, 90.6566, 91.2640



45.3705, 68.5936, 19.2370



15.7897, 19.1465, 19.0052



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.



41.5832, 65.9768, 49.0723



44.5076, 75.2081, 49.4432



47.4713, 64.8213, 90.9019



15.9400, 17.8060, 18.7067



19.5420, 35.1088, 18.7689



1.6756, 2.9407, 1.8240

Inverse Universe

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



44.0183, 26.7537, 32.1247



47.5895, 26.0702, 28.3664



40.6632, 26.4211, 11.3449



16.0584, 15.8731, 17.8637



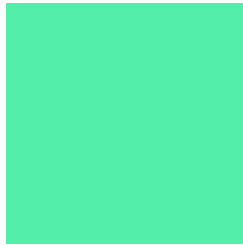
21.1150, 10.7184, 8.5222



1.8056, 0.9113, 0.9673

Previews

White Background



This preview shows how the XYZ color 41.5814, 65.9742, 49.0708 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 41.5814, 65.9742, 49.0708 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 41.5814, 65.9742, 49.0708

Background



This preview shows how black text looks on a background with the XYZ color 41.5814, 65.9742, 49.0708.

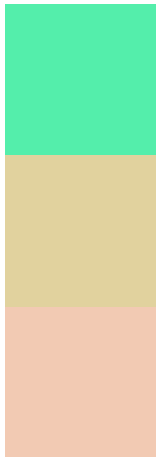


This preview shows how white text looks on a background with the XYZ color 41.5814, 65.9742,

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

41.5814, 65.9742, 49.0708

Protanopia

60.2695, 64.5694, 41.6343

Deuteranopia

65.8752, 64.3730, 51.6011



Tritanopia

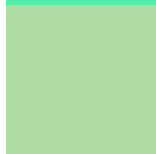
51.2140, 65.6469, 97.9676

Trichromacy



Original Color

41.5814, 65.9742, 49.0708



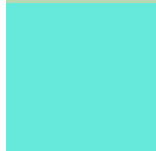
Protanomaly

49.6596, 62.8294, 44.1603



Deuteranomaly

52.1445, 62.0498, 50.3028



Tritanomaly

47.1223, 65.6525, 77.2064

Monochromacy



Original Color

41.5814, 65.9742, 49.0708



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.9423, 52.7363, 50.6164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5814, 65.9742, 49.0708 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(84, 238, 171)` looks like.

```
.text, #text, p{  
    color:rgb(84, 238, 171)  
}
```

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(84, 238, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 238, 171) }
```

Border

The CSS property to change the border of an element to XYZ 41.5814, 65.9742, 49.0708 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(84, 238, 171) }
```


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

```
.border{ border-color:rgb(84, 238, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 238, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 238, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 238, 171);  
box-shadow:4px 4px 4px 4px rgb(84, 238,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5814, 65.9742, 49.0708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 238, 171) }
```

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

```
.background{ background-color: rgb(84, 238,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor