

Converting Colors

XYZ(40.9415, 64.8670, 53.9811)

Have a look what the booklet for
XYZ(40.9415, 64.8670, 53.9811)
contains.

XYZ(40.8617, 64.6292, 54.0371)	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(40.8617, 64.6292,
54.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	46ECB5
RGB	70, 236, 181
RGB Percent	27%, 93%, 71%
CMY	0.7255, 0.0745, 0.2902
CMYK	0.70, 0.00, 0.23, 0.07
HSL	160°, 81%, 60%
HSV	160°, 70%, 93%
XYZ	40.8617, 64.6292, 54.0371
YIQ	180.0960, -81.2810, -52.2970

Conversions

Conversions Part 2

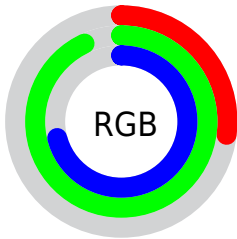
Format	Color
RYB	70, 169, 236
Decimal	4648117
CIELab	84.29, -54.93, 14.57
CIELCh	84, 56.828, 165.143
Yxy	64.6292, 0.2561, 0.4051
Android (android.graphics.Color)	4282838197 (0xFF46ECB5)
YUV	180.0960, 0.4457, -96.5542
Hunter-Lab	80.3923, -49.9587, 16.4218

Details

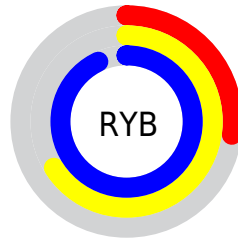
The XYZ color **40.8617, 64.6292, 54.0371** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **40.4860, 23.6954, 21.8443**, and the grayscale version is **43.4646, 45.7282, 49.7980**.

A 20% lighter version of the original color is **61.5273, 83.0377, 92.9058**, and **20.0164, 33.7987, 25.8909** is the 20% darker color. If you saturate the color by 10%, you get **38.7021, 63.6077, 49.8654**, and if you desaturate by 10%, it is **43.7383, 66.0185, 58.4803**.

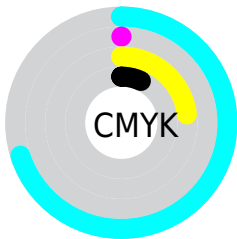
Distribution



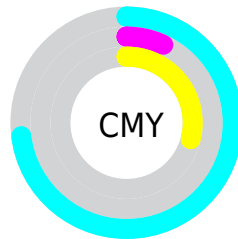
- Red (27%)
- Green (93%)
- Blue (71%)



- Red (27%)
- Yellow (66%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8617, 64.6292, 54.0371 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 40.8617, 64.6292, 54.0371 by changing the saturation by 10% instead.


 40.8617, 64.6292,
54.0371


 40.8617, 64.6292,
54.0371


340.8147,
441.4583, 419.4301


 28.3982, 47.1605,
38.2379


 75.7499, 111.5166,
97.5857


 18.7681, 33.1625,
25.8642


 98.9054, 141.7041,
126.1722

 11.6058, 22.2510,
16.4972


 126.3556,
176.8999, 159.8582

 6.5461, 14.0414,
9.7185

 158.4659,
217.4885, 199.0623

 3.2237, 8.1495,
5.1096

195.6016,
263.8542, 244.2030

 1.2731, 4.1908,
2.2518

238.1280,

 0.1630, 1.7808,

316.3815, 295.6988

0.7040

286.4106,
375.4547, 353.9683

■ 0.0000, 0.4752,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8617, 64.6292,
54.0371

■ 40.8617, 64.6292,
54.0371

■ 38.7021, 63.6077,
49.8654

■ 43.7383, 66.0185,
58.4803


■ 37.1701, 62.9029,
45.9530

■ 47.3974, 67.8042,
63.1976


■ 36.1515, 62.4552,
42.4102


■ 51.9027, 70.0208,
68.1970


■ 57.3097, 72.6967,
73.4847

 63.6690, 75.8581,
79.0665

 71.0275, 79.5290,
84.9480

 79.4289, 83.7318,
91.1347

 87.4990, 87.7581,
97.5654

 88.7091, 88.2422,
103.9379

Harmonies

Analogous

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



45.8060, 64.6292, 31.9006



40.8617, 64.6292, 54.0371



40.8855, 64.6292, 90.0942

Triad

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



40.8617, 64.6292, 54.0371



67.9762, 64.6292, 160.8337



80.1489, 64.6292, 31.7568

Complementary

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



40.8617, 64.6292, 54.0371



40.4860, 23.6954, 21.8443

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.



87.9054, 64.6292, 53.7580



40.8617, 64.6292, 54.0371



80.2507, 64.6292, 131.5278

Square

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



40.8617, 64.6292, 54.0371



55.4233, 64.6292, 160.9888



87.9450, 64.6292, 89.7017



67.8517, 64.6292, 22.3562

Rectangle

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



40.8617, 64.6292, 54.0371



43.6715, 64.6292, 118.3376



87.9450, 64.6292, 89.7017



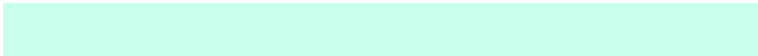
83.4437, 64.6292, 37.5125

Sweetspot

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



40.8635, 64.6318, 54.0386



75.2922, 90.1294, 93.7460



39.6092, 64.8209, 16.2193



15.6459, 19.0576, 19.6646



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.



40.8635, 64.6318, 54.0386



45.3211, 75.4491, 57.5368



40.3053, 52.6352, 87.3952



15.2932, 17.0321, 18.2266



19.9890, 34.4501, 23.7048



1.6138, 2.7228, 2.0941

Inverse Universe

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



40.4860, 23.6954, 21.8443



44.9380, 23.9969, 17.5264



40.0361, 26.9499, 8.8869



15.2713, 15.1364, 16.7139



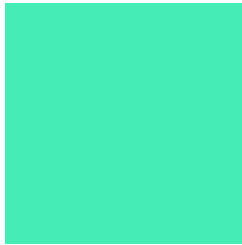
19.8831, 10.1559, 5.1858



1.6044, 0.8147, 0.6340

Previews

White Background



This preview shows how the XYZ color 40.8617, 64.6292, 54.0371 looks on a white background.

Color Contrast Check

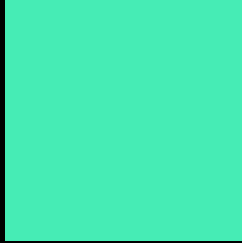
Large Text (above 18pt) WCAG AA × Fail

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 40.8617, 64.6292, 54.0371 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

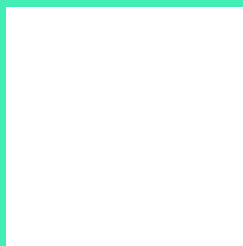
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8617, 64.6292, 54.0371

Background



This preview shows how black text looks on a background with the XYZ color 40.8617, 64.6292, 54.0371.

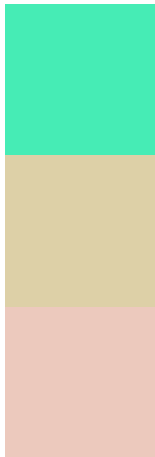


This preview shows how white text looks on a background with the XYZ color 40.8617, 64.6292,

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

40.8617, 64.6292, 54.0371

Protanopia

59.3497, 63.2739, 45.6442

Deuteranopia

64.6640, 63.2803, 56.9503



Tritanopia

49.2492, 64.2446, 96.9935

Trichromacy



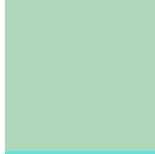
Original Color

40.8617, 64.6292, 54.0371



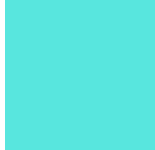
Protanomaly

48.2437, 61.2284, 48.3053



Deuteranomaly

50.8140, 60.8684, 55.5250



Tritanomaly

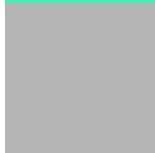
45.5061, 63.9423, 79.0509

Monochromacy



Original Color

40.8617, 64.6292, 54.0371



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.7077, 50.1793, 50.7728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8617, 64.6292, 54.0371 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(70, 236, 181)` looks like.

```
.text, #text, p{  
    color:rgb(70, 236, 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(70, 236, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 236, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.8617, 64.6292, 54.0371 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(70, 236, 181) }
```


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

```
.border{ border-color:rgb(70, 236, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 236, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 236, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 236, 181);  
box-shadow:4px 4px 4px 4px rgb(70, 236,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8617, 64.6292, 54.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 236, 181) }
```

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

```
.background{ background-color: rgb(70, 236,  
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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