

Converting Colors

XYZ(40.4003, 65.1652, 49.9345)

Have a look what the booklet for
XYZ(40.4003, 65.1652, 49.9345)
contains.

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Color

**XYZ(40.5013, 65.3951,
50.0231)**

Conversions

Conversions Part 1

Format	Color
Hex	44EEAD
RGB	68, 238, 173
RGB Percent	27%, 93%, 68%
CMY	0.7333, 0.0667, 0.3216
CMYK	0.71, 0.00, 0.27, 0.07
HSL	157°, 83%, 60%
HSV	157°, 71%, 93%
XYZ	40.5013, 65.3951, 50.0231
YIQ	179.7600, -80.4550, -56.2550

Conversions

Conversions Part 2

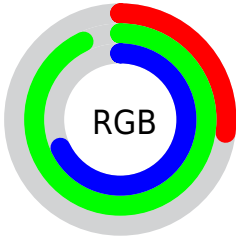
Format	Color
RYB	68, 173, 238
Decimal	4517549
CIELab	84.69, -57.74, 19.27
CIELCh	85, 60.874, 161.541
Yxy	65.3951, 0.2598, 0.4194
Android (android.graphics.Color)	4282707629 (0xFF44EEAD)
YUV	179.7600, -3.3327, -98.0135
Hunter-Lab	80.8672, -52.1183, 19.9313

Details

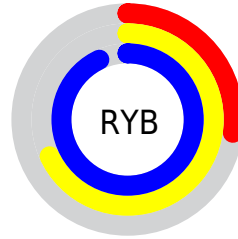
The XYZ color **40.5013, 65.3951, 50.0231** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.5629, 24.0065, 24.6363**, and the grayscale version is **43.3038, 45.5590, 49.6137**.

A 20% lighter version of the original color is **60.2194, 82.4955, 86.8781**, and **19.9140, 34.4038, 23.3603** is the 20% darker color. If you saturate the color by 10%, you get **38.3152, 64.3681, 45.4804**, and if you desaturate by 10%, it is **43.4241, 66.7983, 54.9164**.

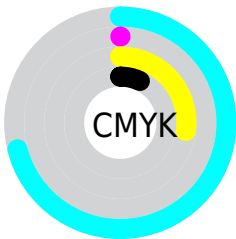
Distribution



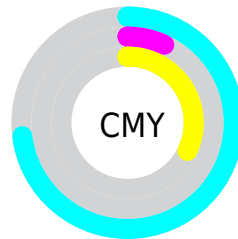
- Red (27%)
- Green (93%)
- Blue (68%)



- Red (27%)
- Yellow (68%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5013, 65.3951, 50.0231 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 40.5013, 65.3951, 50.0231 by changing the saturation by 10% instead.

 40.5013, 65.3951,
50.0231

 40.5013, 65.3951,
50.0231


339.3303,
444.2104, 403.4939


 28.1156, 47.7815,
35.0604


 75.2058, 112.6177,
91.6058


 18.5537, 33.6539,
23.4255


 98.2552, 142.9955,
119.0628

 11.4503, 22.6278,
14.6998

 125.5899,
178.3969, 151.5218

 6.4401, 14.3190,
8.4647

 157.5753,
219.2061, 189.4012

 3.1577, 8.3428,
4.3017

194.5767,
265.8077, 233.1196

 1.2377, 4.3151,
1.7923

236.9594,

 0.1358, 1.8513,

318.5861, 283.0955

0.4228

285.0888,
377.9255, 339.7474

■ 0.0000, 0.5189,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5013, 65.3951,
50.0231

■ 40.5013, 65.3951,
50.0231

■ 38.3152, 64.3681,
45.4804

■ 43.4241, 66.7983,
54.9164


■ 36.7722, 63.6642,
41.2732

■ 47.1524, 68.6080,
60.1651


■ 35.8420, 63.2578,
37.9242


■ 51.7522, 70.8598,
65.7796


■ 57.2813, 73.5833,
71.7683

 63.7923, 76.8056,
78.1393

 71.3337, 80.5515,
84.9002

 79.9508, 84.8443,
92.0583

 88.4205, 89.0532,
99.5617

 89.8507, 89.6253,
107.0929

Harmonies

Analogous

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



46.3746, 65.3951, 28.5666



40.5013, 65.3951, 50.0231



39.8905, 65.3951, 87.2666

Triad

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



40.5013, 65.3951, 50.0231



67.5372, 65.3951, 172.6978



83.8596, 65.3951, 32.1860

Complementary

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



40.5013, 65.3951, 50.0231



41.5629, 24.0065, 24.6363

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.



91.4652, 65.3951, 57.2445



40.5013, 65.3951, 50.0231



81.1643, 65.3951, 143.2717

Square

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



40.5013, 65.3951, 50.0231



54.2372, 65.3951, 168.5093



90.4125, 65.3951, 97.6516



70.8105, 65.3951, 21.1653

Rectangle

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



40.5013, 65.3951, 50.0231



42.4238, 65.3951, 118.0152



90.4125, 65.3951, 97.6516



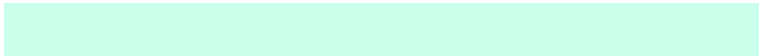
87.2178, 65.3951, 38.7684

Sweetspot

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



40.5030, 65.3977, 50.0246



74.8953, 89.9707, 91.6560



41.3193, 66.5693, 16.1413



15.5511, 19.0197, 19.1655



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.



40.5030, 65.3977, 50.0246



43.8418, 74.8356, 50.7354



42.9333, 57.6339, 89.7535



15.9763, 17.8205, 18.8981



20.0606, 35.3162, 21.4997



1.7172, 2.9573, 2.0432

Inverse Universe

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



41.5629, 24.0065, 24.6363



45.2249, 23.8489, 19.8472



39.7813, 25.5484, 8.3045



16.0229, 15.8589, 17.6768



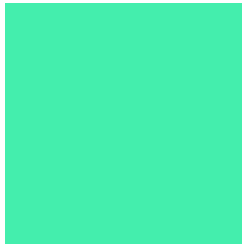
20.7834, 10.5858, 6.7758



1.7761, 0.8995, 0.8116

Previews

White Background



This preview shows how the XYZ color 40.5013, 65.3951, 50.0231 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 40.5013, 65.3951, 50.0231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

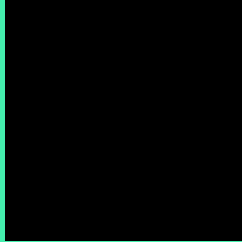
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

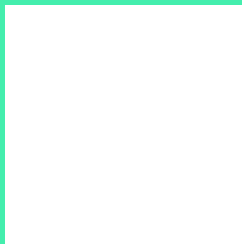
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5013, 65.3951, 50.0231

Background



This preview shows how black text looks on a background with the XYZ color 40.5013, 65.3951, 50.0231.



This preview shows how white text looks on a background with the XYZ color 40.5013, 65.3951,

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

40.5013, 65.3951, 50.0231

Protanopia

59.8861, 63.9863, 42.4520

Deuteranopia

65.3962, 64.1025, 52.6423



Tritanopia

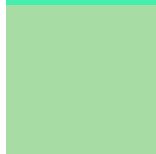
49.7874, 64.9115, 97.9008

Trichromacy



Original Color

40.5013, 65.3951, 50.0231



Protanomaly

48.3211, 62.1185, 45.0406



Deuteranomaly

50.4678, 61.1623, 51.2651



Tritanomaly

45.7994, 64.9552, 77.8339

Monochromacy



Original Color

40.5013, 65.3951, 50.0231



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.4699, 50.4366, 49.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5013, 65.3951, 50.0231 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(68, 238, 173)` looks like.

```
.text, #text, p{  
    color:rgb(68, 238, 173)  
}
```

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(68, 238, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 238, 173) }
```

Border

The CSS property to change the border of an element to XYZ 40.5013, 65.3951, 50.0231 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(68, 238, 173) }
```


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

```
.border{ border-color:rgb(68, 238, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 238, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 238, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 238, 173);  
box-shadow:4px 4px 4px 4px rgb(68, 238,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5013, 65.3951, 50.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 238, 173) }
```

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

```
.background{ background-color: rgb(68, 238,  
173) }
```

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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