

Converting Colors

XYZ(40.2397, 65.9529, 47.0864)

Have a look what the booklet for
XYZ(40.2397, 65.9529, 47.0864)
contains.

XYZ(40.1563, 65.7163, 47.1273)	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(40.1563, 65.7163,
47.1273)**

Conversions

Conversions Part 1

Format	Color
Hex	43EFA7
RGB	67, 239, 167
RGB Percent	26%, 94%, 65%
CMY	0.7372, 0.0627, 0.3451
CMYK	0.72, 0.00, 0.30, 0.06
HSL	155°, 84%, 60%
HSV	155°, 72%, 94%
XYZ	40.1563, 65.7163, 47.1273
YIQ	179.3640, -79.4000, -58.8560

Conversions

Conversions Part 2

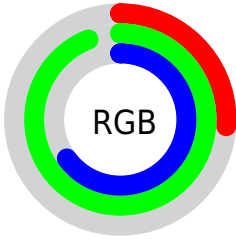
Format	Color
RYB	67, 176, 239
Decimal	4452263
CIELab	84.85, -59.52, 22.60
CIElCh	85, 63.667, 159.213
Yxy	65.7163, 0.2625, 0.4295
Android (android.graphics.Color)	4282642343 (0xFF43EFA7)
YUV	179.3640, -6.0955, -98.5432
Hunter-Lab	81.0656, -53.4438, 22.2778

Details

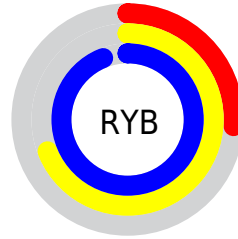
The XYZ color **40.1563, 65.7163, 47.1273** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **42.2661, 24.2306, 26.8781**, and the grayscale version is **43.1056, 45.3504, 49.3866**.

A 20% lighter version of the original color is **59.0982, 82.0282, 81.8255**, and **19.8225, 34.6937, 21.8715** is the 20% darker color. If you saturate the color by 10%, you get **37.9539, 64.6854, 42.3822**, and if you desaturate by 10%, it is **43.1093, 67.1293, 52.2840**.

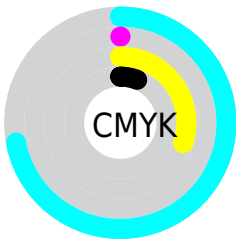
Distribution



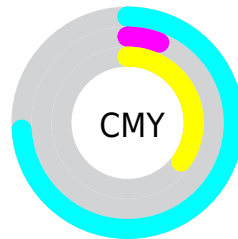
- Red (26%)
- Green (94%)
- Blue (65%)



- Red (26%)
- Yellow (69%)
- Blue (94%)



- Cyan (72%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (74%)
- Magenta (6%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1563, 65.7163, 47.1273 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 40.1563, 65.7163, 47.1273 by changing the saturation by 10% instead.


 40.1563, 65.7163,
47.1273


 40.1563, 65.7163,
47.1273


337.9050,
445.3616, 391.7309


 27.8452, 48.0421,
32.7812


 74.6843, 113.0791,
87.2556


 18.3488, 33.8603,
21.6892


 97.6319, 143.5364,
113.8749

 11.3019, 22.7863,
13.4326


 124.8557,
179.0237, 145.4223

 6.3391, 14.4358,
7.5929

 156.7210,
219.9252, 182.3165

 3.0950, 8.4244,
3.7515

193.5933,
266.6253, 224.9759

 1.2042, 4.3677,
1.4901

235.8378,

 0.1097, 1.8813,

319.5085, 273.8191

0.2105

283.8199,
378.9591, 329.2645

■ 0.0000, 0.5371,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1563, 65.7163,
47.1273

■ 40.1563, 65.7163,
47.1273

■ 37.9539, 64.6854,
42.3822

■ 43.1093, 67.1293,
52.2840


■ 36.4061, 63.9822,
38.0315


■ 46.8834, 68.9554,
57.8595


■ 35.5244, 63.5980,
34.8113

■ 51.5463, 71.2311,
63.8662


■ 57.1568, 73.9865,
70.3145

 63.7689, 77.2493,
77.2143

 71.4320, 81.0448,
84.5753

 80.1923, 85.3966,
92.4067

 88.9029, 89.7134,
100.6615

 90.1577, 90.2153,
107.2692

Harmonies

Analogous

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



46.6678, 65.7163, 26.2982



40.1563, 65.7163, 47.1273



39.0987, 65.7163, 84.8901

Triad

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



40.1563, 65.7163, 47.1273



66.9592, 65.7163, 180.5586



86.2296, 65.7163, 32.4783

Complementary

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



40.1563, 65.7163, 47.1273



42.2661, 24.2306, 26.8781

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.



93.6570, 65.7163, 59.6931



40.1563, 65.7163, 47.1273



81.4680, 65.7163, 151.3627

Square

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



40.1563, 65.7163, 47.1273



53.2190, 65.7163, 173.0612



91.7930, 65.7163, 103.2299



72.7163, 65.7163, 20.3554

Rectangle

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



40.1563, 65.7163, 47.1273



41.4391, 65.7163, 117.1782



91.7930, 65.7163, 103.2299



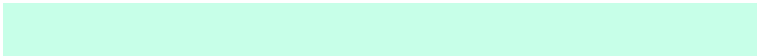
89.6078, 65.7163, 39.6399

Sweetspot

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



40.1580, 65.7189, 47.1288



73.7834, 89.4471, 89.3599



42.9572, 67.8507, 16.1434



15.3220, 18.9128, 18.6502



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.



40.1580, 65.7189, 47.1288



43.1057, 74.5411, 46.8590



45.5120, 62.6583, 91.3600



15.9513, 17.8105, 18.7663



19.6978, 35.1711, 19.5893



1.6882, 2.9457, 1.8904

Inverse Universe

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



42.2661, 24.2306, 26.8781



45.7255, 24.0491, 22.4829



39.3693, 24.2728, 7.9212



16.0473, 15.8686, 17.8052



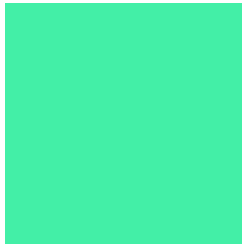
21.0060, 10.6748, 7.9483



1.7960, 0.9075, 0.9168

Previews

White Background



This preview shows how the XYZ color 40.1563, 65.7163, 47.1273 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 40.1563, 65.7163, 47.1273 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

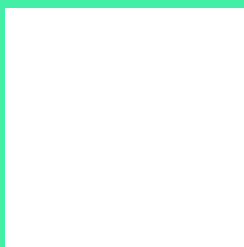
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1563, 65.7163, 47.1273

Background



This preview shows how black text looks on a background with the XYZ color 40.1563, 65.7163, 47.1273.



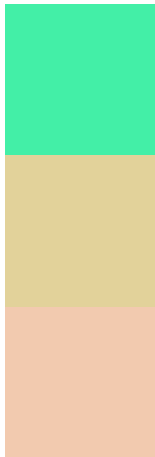
This preview shows how white text looks on a background with the XYZ color 40.1563, 65.7163,

47.1273.

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

40.1563, 65.7163, 47.1273

Protanopia

60.2434, 64.5950, 39.8648

Deuteranopia

65.4763, 64.2135, 49.5009



Tritanopia

50.2873, 65.5788, 98.0032

Trichromacy



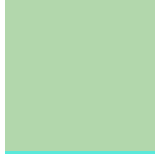
Original Color

40.1563, 65.7163, 47.1273



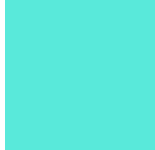
Protanomaly

48.2629, 62.5409, 42.3288



Deuteranomaly

50.1069, 61.0444, 48.1716



Tritanomaly

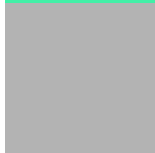
45.9136, 65.4636, 76.5455

Monochromacy



Original Color

40.1563, 65.7163, 47.1273



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.1057, 50.2717, 48.1998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1563, 65.7163, 47.1273 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(67, 239, 167)` looks like.

```
.text, #text, p{  
    color:rgb(67, 239, 167)  
}
```

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(67, 239, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 239, 167) }
```

Border

The CSS property to change the border of an element to XYZ 40.1563, 65.7163, 47.1273 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(67, 239, 167) }
```


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

```
.border{ border-color:rgb(67, 239, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 239, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 239, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 239, 167);  
box-shadow:4px 4px 4px 4px rgb(67, 239,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1563, 65.7163, 47.1273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 239, 167) }
```

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

```
.background{ background-color: rgb(67, 239,  
167) }
```

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