

Converting Colors

XYZ(40.7947, 67.6645, 53.7751)

Have a look what the booklet for
XYZ(40.7947, 67.6645, 53.7751)
contains.

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Color

**XYZ(40.7523, 67.6472,
53.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	1FF3B3
RGB	31, 243, 179
RGB Percent	12%, 95%, 70%
CMY	0.8784, 0.0470, 0.2980
CMYK	0.87, 0.00, 0.26, 0.05
HSL	162°, 90%, 54%
HSV	162°, 87%, 95%
XYZ	40.7523, 67.6472, 53.5572
YIQ	172.3160, -105.8080, -64.8480

Conversions

Conversions Part 2

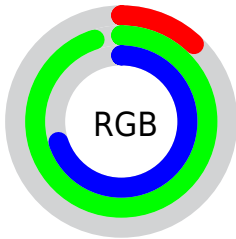
Format	Color
R_{YB}	31, 156, 243
Decimal	2094003
CIE _{Lab}	85.83, -61.89, 17.69
CIE _{LCh}	86, 64.372, 164.047
Yxy	67.6472, 0.2516, 0.4177
Android (android.graphics.Color)	4280284083 (0xFF1FF3B3)
YUV	172.3160, 3.2952, -123.9341
Hunter-Lab	82.2479, -55.4905, 18.9658

Details

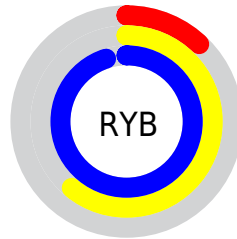
The XYZ color **40.7523, 67.6472, 53.5572** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.5200, 20.8624, 12.7734**, and the grayscale version is **39.3976, 41.4493, 45.1383**.

A 20% lighter version of the original color is **58.3631, 81.4401, 91.2407**, and **21.1149, 36.2043, 25.6139** is the 20% darker color. If you saturate the color by 10%, you get **39.5501, 67.1127, 49.7312**, and if you desaturate by 10%, it is **42.5435, 68.4843, 57.6199**.

Distribution



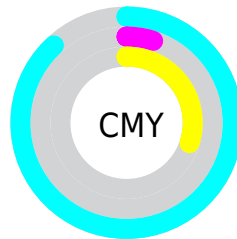
- Red (12%)
- Green (95%)
- Blue (70%)



- Red (12%)
- Yellow (61%)
- Blue (95%)



- Cyan (87%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)





- Cyan (88%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7523, 67.6472, 53.5572 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 40.7523, 67.6472, 53.5572 by changing the saturation by 10% instead.


 40.7523, 67.6472,
53.5572


 40.7523, 67.6472,
53.5572


340.3646,
452.2450, 417.5460


 28.3124, 49.6108,
37.8570


 75.5848, 115.8473,
96.8736


 18.7029, 35.1042,
25.5708

 98.7082, 146.7797,
125.3269


 11.5586, 23.7432,
16.2799


 126.1233,
182.7797, 158.8683

 6.5139, 15.1432,
9.5659

 158.1957,
224.2314, 197.9164

 3.2036, 8.9200,
5.0103

 195.2907,
271.5195, 242.8897

 1.2623, 4.6890,
2.1945

237.7736,

 0.1548, 2.0660,

325.0281, 294.2066

0.6712

286.0098,
385.1419, 352.2859

■ 0.0000, 0.6454,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7523, 67.6472,
53.5572

■ 40.7523, 67.6472,
53.5572

■ 39.5501, 67.1127,
49.7312


■ 42.5435, 68.4843,
57.6199


■ 39.2735, 66.9923,
48.7127


■ 45.0285, 69.6727,
61.9227


■ 48.2945, 71.2590,
66.4744


■ 52.4139, 73.2805,
71.2812

 57.4508, 75.7702,
76.3491

 63.4629, 78.7577,
81.6836

 70.5030, 82.2702,
87.2900

 78.6201, 86.3329,
93.1733

 87.8600, 90.9693,
99.3383

Harmonies

Analogous

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



46.5661, 67.6472, 29.4216



40.7523, 67.6472, 53.5572



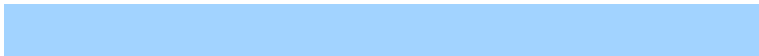
40.5728, 67.6472, 95.1224

Triad

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



40.7523, 67.6472, 53.5572



71.4101, 67.6472, 183.5203



86.8486, 67.6472, 30.4675

Complementary

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



40.7523, 67.6472, 53.5572



39.5200, 20.8624, 12.7734

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.



95.8292, 67.6472, 55.6901



40.7523, 67.6472, 53.5572



86.0380, 67.6472, 148.5838

Square

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



40.7523, 67.6472, 53.5572



56.8306, 67.6472, 182.2412



95.5118, 67.6472, 98.2434



72.3895, 67.6472, 19.9930

Rectangle

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



40.7523, 67.6472, 53.5572



43.5899, 67.6472, 128.9639



95.5118, 67.6472, 98.2434



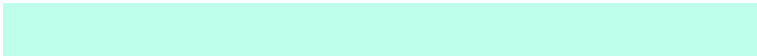
90.7000, 67.6472, 36.9710

Sweetspot

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



40.7541, 67.6499, 53.5588



71.6650, 88.2977, 91.8509



37.3516, 66.8072, 12.2235



14.8035, 18.6326, 19.2075



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.



40.7541, 67.6499, 53.5588



43.7973, 74.7349, 54.2439



38.3695, 50.0145, 92.4287



16.7711, 18.6676, 20.0792



21.6165, 36.7914, 27.0638



1.9453, 3.2518, 2.6178

Inverse Universe

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



39.5200, 20.8624, 12.7734



42.5791, 21.7956, 8.9814



39.3934, 23.5193, 3.7605



16.7050, 16.5649, 18.1933



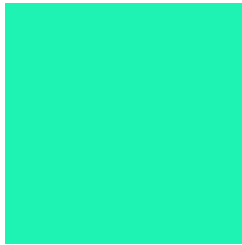
21.0049, 10.7454, 4.7340



1.8898, 0.9619, 0.6458

Previews

White Background



This preview shows how the XYZ color 40.7523, 67.6472, 53.5572 looks on a white background.

Color Contrast Check

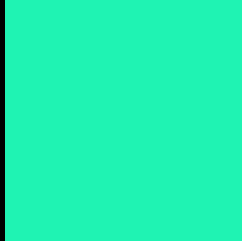
Large Text (above 18pt) WCAG AA × Fail

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 40.7523, 67.6472, 53.5572 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

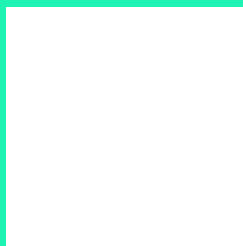
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7523, 67.6472, 53.5572

Background



This preview shows how black text looks on a background with the XYZ color 40.7523, 67.6472, 53.5572.



This preview shows how white text looks on a background with the XYZ color 40.7523, 67.6472,

Color Blindness Simulation

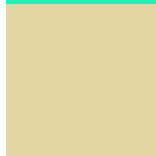
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.7523, 67.6472, 53.5572



Protanopia

61.9229, 66.0982, 44.6165



Deuteranopia

67.4189, 66.1277, 56.2243



Tritanopia

50.2769, 67.1451, 102.4059

Trichromacy



Original Color

40.7523, 67.6472, 53.5572



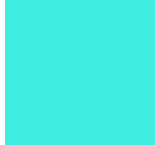
Protanomaly

47.2594, 62.7078, 47.1491



Deuteranomaly

49.5003, 62.1231, 54.7294



Tritanomaly

45.9891, 67.0946, 81.7608

Monochromacy



Original Color

40.7523, 67.6472, 53.5572



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.8171, 47.5483, 47.8474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7523, 67.6472, 53.5572 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(31, 243, 179)` looks like.

```
.text, #text, p{  
    color:rgb(31, 243, 179)  
}
```

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(31, 243, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 243, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.7523, 67.6472, 53.5572 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(31, 243, 179) }
```


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

```
.border{ border-color:rgb(31, 243, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 243, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 243, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 243, 179); box-shadow:4px 4px 4px 4px rgb(31, 243, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7523, 67.6472, 53.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 243, 179) }
```

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

```
.background{ background-color: rgb(31, 243,  
179) }
```

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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