

Converting Colors

XYZ(40.6507, 67.2592, 53.7634)

Have a look what the booklet for
XYZ(40.6507, 67.2592, 53.7634)
contains.

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Color

**XYZ(40.6175, 67.1229,
53.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	21F2B4
RGB	33, 242, 180
RGB Percent	13%, 95%, 71%
CMY	0.8705, 0.0510, 0.2941
CMYK	0.86, 0.00, 0.26, 0.05
HSL	162°, 89%, 54%
HSV	162°, 86%, 95%
XYZ	40.6175, 67.1229, 53.9953
YIQ	172.4410, -104.6620, -63.5900

Conversions

Conversions Part 2

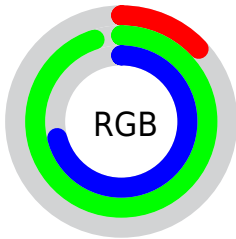
Format	Color
R_{YB}	33, 156, 242
Decimal	2224820
CIE _{Lab}	85.57, -61.17, 16.81
CIE _{LCh}	86, 63.439, 164.636
Yxy	67.1229, 0.2511, 0.4150
Android (android.graphics.Color)	4280414900 (0xFF21F2B4)
YUV	172.4410, 3.7266, -122.2898
Hunter-Lab	81.9286, -54.8805, 18.2747

Details

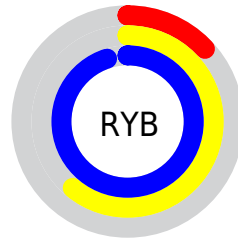
The XYZ color **40.6175, 67.1229, 53.9953** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.2296, 20.7927, 12.7752**, and the grayscale version is **39.4584, 41.5133, 45.2080**.

A 20% lighter version of the original color is **58.6461, 81.5692, 92.0103**, and **21.1797, 36.2302, 25.9555** is the 20% darker color. If you saturate the color by 10%, you get **39.3893, 66.5738, 50.2193**, and if you desaturate by 10%, it is **42.4418, 67.9784, 58.0000**.

Distribution



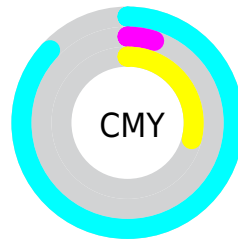
- Red (13%)
- Green (95%)
- Blue (71%)



- Red (13%)
- Yellow (61%)
- Blue (95%)



- Cyan (86%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)




- Cyan (87%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6175, 67.1229, 53.9953 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 40.6175, 67.1229, 53.9953 by changing the saturation by 10% instead.


 40.6175, 67.1229,
53.9953


 40.6175, 67.1229,
53.9953

339.8094,
450.3821, 419.2662


 28.2067, 49.1845,
38.2048


 75.3813, 115.0965,
97.5237


 18.6228, 34.7659,
25.8386


 98.4650, 145.9005,
126.0986


 11.5004, 23.4826,
16.4782


 125.8370,
181.7618, 159.7720

 6.4742, 14.9502,
9.7052

 157.8627,
223.0649, 198.9626

 3.1789, 8.7845,
5.1009

 194.9074,
270.1940, 244.0887

 1.2491, 4.6009,
2.2468

237.3365,

 0.1446, 2.0150,

323.5337, 295.5690

0.7012

285.5154,
383.4682, 353.8220

■ 0.0000, 0.6162,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6175, 67.1229,
53.9953

■ 40.6175, 67.1229,
53.9953

■ 39.3893, 66.5738,
50.2193


■ 42.4418, 67.9784,
58.0000


■ 39.0288, 66.4168,
48.8966


■ 44.9603, 69.1855,
62.2364


■ 48.2575, 70.7896,
66.7128


■ 52.4045, 72.8273,
71.4352

 57.4639, 75.3306,
76.4094

 63.4924, 78.3289,
81.6407

 70.5418, 81.8487,
87.1340

 78.6605, 85.9149,
92.8943

 87.8933, 90.5507,
98.9261

Harmonies

Analogous

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



46.2285, 67.1229, 29.8822



40.6175, 67.1229, 53.9953



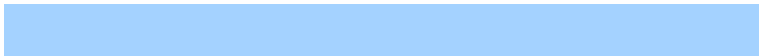
40.5500, 67.1229, 95.0485

Triad

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



40.6175, 67.1229, 53.9953



71.0658, 67.1229, 180.0246



85.6391, 67.1229, 30.2774

Complementary

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



40.6175, 67.1229, 53.9953



39.2296, 20.7927, 12.7752

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.



94.5715, 67.1229, 54.7966



40.6175, 67.1229, 53.9953



85.3360, 67.1229, 145.4301

Square

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



40.6175, 67.1229, 53.9953



56.7283, 67.1229, 179.5481



94.4529, 67.1229, 96.2157



71.4326, 67.1229, 20.1336

Rectangle

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



40.6175, 67.1229, 53.9953



43.5912, 67.1229, 128.1636



94.4529, 67.1229, 96.2157



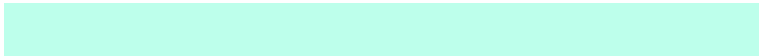
89.4470, 67.1229, 36.5979

Sweetspot

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



40.6193, 67.1255, 53.9969



71.7152, 88.3178, 92.1154



36.8213, 66.0875, 12.2551



14.8155, 18.6374, 19.2707



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.



40.6193, 67.1255, 53.9969



43.9321, 74.7888, 54.9536



37.3570, 48.1383, 91.3303



16.0359, 17.8444, 19.2121



21.0287, 35.7035, 26.5979



1.7929, 2.9876, 2.4416

Inverse Universe

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



39.2296, 20.7927, 12.7752



42.5324, 21.7770, 8.7356



39.3972, 23.9942, 3.9945



15.9657, 15.8360, 17.3758



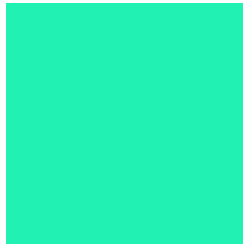
20.3484, 10.4118, 4.4852



1.7349, 0.8830, 0.5948

Previews

White Background



This preview shows how the XYZ color 40.6175, 67.1229, 53.9953 looks on a white background.

Color Contrast Check

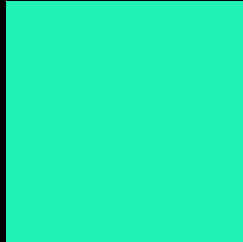
Large Text (above 18pt) WCAG AA × Fail

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 40.6175, 67.1229, 53.9953 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

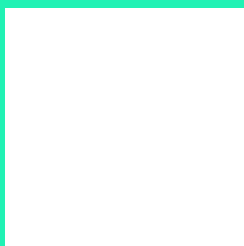
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6175, 67.1229, 53.9953

Background



This preview shows how black text looks on a background with the XYZ color 40.6175, 67.1229, 53.9953.



This preview shows how white text looks on a background with the XYZ color 40.6175, 67.1229,

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

40.6175, 67.1229, 53.9953

Protanopia

61.4498, 65.4739, 44.9963

Deuteranopia

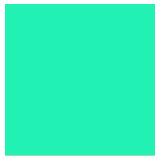
66.9456, 65.5173, 56.6947



Tritanopia

50.2769, 67.1451, 102.4059

Trichromacy



Original Color

40.6175, 67.1229, 53.9953



Protanomaly

47.0873, 62.2128, 47.5567



Deuteranomaly

49.3454, 61.6449, 55.1968



Tritanomaly

45.9029, 66.6057, 82.3884

Monochromacy



Original Color

40.6175, 67.1229, 53.9953



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.5893, 47.0926, 47.7715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6175, 67.1229, 53.9953 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(33, 242, 180)` looks like.

```
.text, #text, p{  
    color:rgb(33, 242, 180)  
}
```

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(33, 242, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 242, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.6175, 67.1229, 53.9953 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(33, 242, 180) }
```


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

```
.border{ border-color:rgb(33, 242, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 242, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 242, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 242, 180);  
box-shadow:4px 4px 4px 4px rgb(33, 242,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6175, 67.1229, 53.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 242, 180) }
```

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

```
.background{ background-color: rgb(33, 242,  
180) }
```

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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