

Converting Colors

XYZ(40.1313, 65.9329, 46.4602)

Have a look what the booklet for
XYZ(40.1313, 65.9329, 46.4602)
contains.

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Color

**XYZ(40.0642, 65.6795,
46.6422)**

Conversions

Conversions Part 1

Format	Color
Hex	43EFA6
RGB	67, 239, 166
RGB Percent	26%, 94%, 65%
CMY	0.7372, 0.0627, 0.3490
CMYK	0.72, 0.00, 0.31, 0.06
HSL	155°, 84%, 60%
HSV	155°, 72%, 94%
XYZ	40.0642, 65.6795, 46.6422
YIQ	179.2500, -79.0790, -59.1670

Conversions

Conversions Part 2

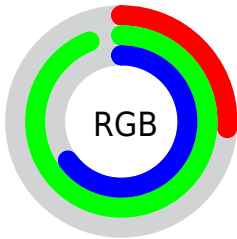
Format	Color
RYB	67, 176, 239
Decimal	4452262
CIELab	84.83, -59.73, 23.08
CIELCh	85, 64.034, 158.870
Yxy	65.6795, 0.2629, 0.4310
Android (android.graphics.Color)	4282642342 (0xFF43EFA6)
YUV	179.2500, -6.5322, -98.4432
Hunter-Lab	81.0429, -53.5822, 22.6072

Details

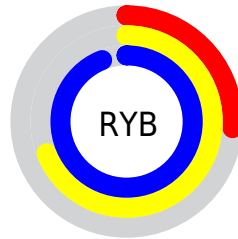
The XYZ color **40.0642, 65.6795, 46.6422** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **42.3396, 24.2600, 27.2648**, and the grayscale version is **43.0468, 45.2886, 49.3193**.

A 20% lighter version of the original color is **58.9645, 81.9747, 81.1216**, and **19.7652, 34.6708, 21.5700** is the 20% darker color. If you saturate the color by 10%, you get **37.8571, 64.6467, 41.8724**, and if you desaturate by 10%, it is **43.0237, 67.0951, 51.8333**.

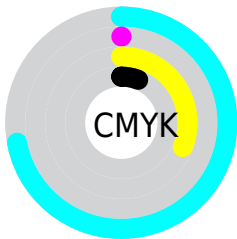
Distribution



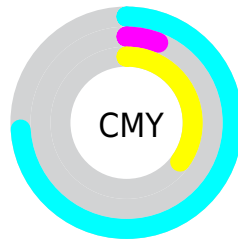
- Red (26%)
- Green (94%)
- Blue (65%)



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



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0642, 65.6795, 46.6422 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 40.0642, 65.6795, 46.6422 by changing the saturation by 10% instead.


 40.0642, 65.6795,
46.6422


 40.0642, 65.6795,
46.6422


337.5239,
445.2298, 389.7369


 27.7730, 48.0123,
32.4006


 74.5450, 113.0262,
86.5237


 18.2942, 33.8366,
21.4003

 97.4653, 143.4745,
113.0006

 11.2624, 22.7681,
13.2228


 124.6594,
178.9519, 144.3930

 6.3122, 14.4224,
7.4496

 156.4926,
219.8428, 181.1195

 3.0783, 8.4150,
3.6622

193.3303,
266.5317, 223.5986

 1.1953, 4.3616,
1.4419

235.5379,

 0.1027, 1.8778,

319.4029, 272.2488

0.1741

283.4806,
378.8408, 327.4887

■ 0.0000, 0.5350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0642, 65.6795,
46.6422

■ 40.0642, 65.6795,
46.6422

■ 37.8571, 64.6467,
41.8724

■ 43.0237, 67.0951,
51.8333


■ 36.3063, 63.9423,
37.5062


■ 46.8063, 68.9246,
57.4533


■ 35.4236, 63.5577,
34.2801


■ 51.4796, 71.2045,
63.5148


■ 57.1026, 73.9649,
70.0288

 63.7292, 77.2335,
77.0054

 71.4090, 81.0356,
84.4545

 80.1883, 85.3951,
92.3857

 88.9201, 89.7204,
100.7523

 90.1577, 90.2154,
107.2692

Harmonies

Analogous

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



46.6624, 65.6795, 25.9461



40.0642, 65.6795, 46.6422



38.9401, 65.6795, 84.4034

Triad

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



40.0642, 65.6795, 46.6422



66.7782, 65.6795, 181.4526



86.4676, 65.6795, 32.5026

Complementary

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



40.0642, 65.6795, 46.6422



42.3396, 24.2600, 27.2648

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.



93.8499, 65.6795, 60.0082



40.0642, 65.6795, 46.6422



81.3924, 65.6795, 152.3688

Square

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



40.0642, 65.6795, 46.6422



52.9986, 65.6795, 173.4472



91.8625, 65.6795, 103.9503



72.9107, 65.6795, 20.2284

Rectangle

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



40.0642, 65.6795, 46.6422



41.2468, 65.6795, 116.8549



91.8625, 65.6795, 103.9503



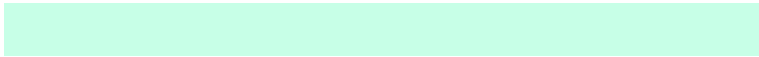
89.8412, 65.6795, 39.7431

Sweetspot

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



40.0659, 65.6821, 46.6437



73.7372, 89.4287, 89.1167



42.9572, 67.8507, 16.1434



15.3111, 18.9084, 18.5927



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.



40.0659, 65.6821, 46.6437



42.9918, 74.4956, 46.2593



45.5120, 62.6584, 91.3600



15.9473, 17.8089, 18.7453



19.6421, 35.1489, 19.2962



1.6837, 2.9439, 1.8667

Inverse Universe

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



42.3396, 24.2600, 27.2648



45.8095, 24.0827, 22.9256



39.3693, 24.2728, 7.9211



16.0512, 15.8702, 17.8258



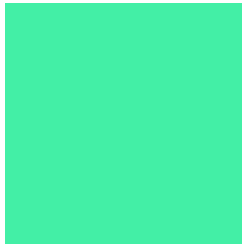
21.0440, 10.6900, 8.1480



1.7994, 0.9088, 0.9344

Previews

White Background



This preview shows how the XYZ color 40.0642, 65.6795, 46.6422 looks on a white background.

Color Contrast Check

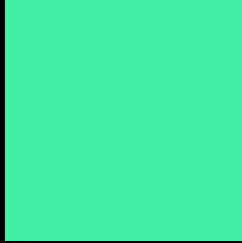
Large Text (above 18pt) WCAG AA × Fail

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 40.0642, 65.6795, 46.6422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

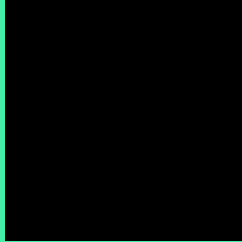
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0642, 65.6795, 46.6422

Background



This preview shows how black text looks on a background with the XYZ color 40.0642, 65.6795, 46.6422.

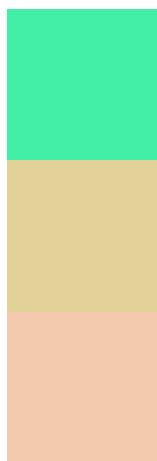


This preview shows how white text looks on a background with the XYZ color 40.0642, 65.6795,

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

40.0642, 65.6795, 46.6422

Protanopia

60.1604, 64.5618, 39.4279

Deuteranopia

65.7227, 64.3517, 49.0016



Tritanopia

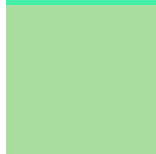
50.2873, 65.5788, 98.0032

Trichromacy



Original Color

40.0642, 65.6795, 46.6422



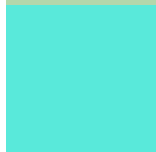
Protanomaly

48.1765, 62.5064, 41.8735



Deuteranomaly

50.2415, 61.1249, 47.6783



Tritanomaly

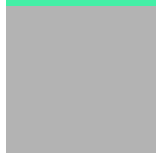
45.9136, 65.4636, 76.5455

Monochromacy



Original Color

40.0642, 65.6795, 46.6422



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.0079, 50.2326, 47.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0642, 65.6795, 46.6422 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(67, 239, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 239, 166) }
```

Border

The CSS property to change the border of an element to XYZ 40.0642, 65.6795, 46.6422 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, 166) }
```


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

```
.border{ border-color:rgb(67, 239, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 239, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 239, 166);  
box-shadow:4px 4px 4px 4px rgb(67, 239,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0642, 65.6795, 46.6422 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, 166) }
```

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

```
.background{ background-color: rgb(67, 239,  
166) }
```

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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