

Converting Colors

XYZ(42.3152, 71.5325, 53.5680)

Have a look what the booklet for
XYZ(42.3152, 71.5325, 53.5680)
contains.

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Color

**XYZ(42.4026, 71.6789,
53.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	0EFAB2
RGB	14, 250, 178
RGB Percent	5%, 98%, 70%
CMY	0.9450, 0.0196, 0.3020
CMYK	0.94, 0.00, 0.29, 0.02
HSL	162°, 96%, 52%
HSV	162°, 94%, 98%
XYZ	42.4026, 71.6789, 53.7201
YIQ	171.2280, -117.5440, -72.4240

Conversions

Conversions Part 2

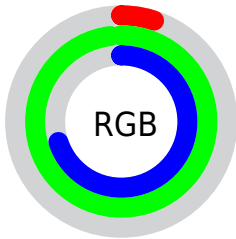
Format	Color
RYB	14, 153, 250
Decimal	981682
CIELab	87.81, -65.42, 20.95
CIELCh	88, 68.696, 162.241
Yxy	71.6789, 0.2527, 0.4272
Android (android.graphics.Color)	4279171762 (0xFF0EFAB2)
YUV	171.2280, 3.3386, -137.8890
Hunter-Lab	84.6634, -58.7614, 21.6440

Details

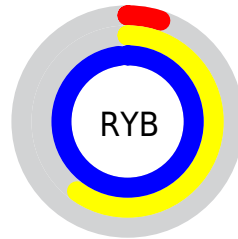
The XYZ color **42.4026, 71.6789, 53.7201** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **41.2641, 21.3119, 10.7492**, and the grayscale version is **38.8545, 40.8780, 44.5161**.

A 20% lighter version of the original color is **57.9474, 81.2424, 90.4691**, and **22.5513, 39.1799, 25.7759** is the 20% darker color. If you saturate the color by 10%, you get **41.7997, 71.4188, 51.4846**, and if you desaturate by 10%, it is **43.8483, 72.3351, 57.8998**.

Distribution



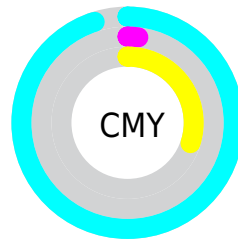
- Red (5%)
- Green (98%)
- Blue (70%)



- Red (5%)
- Yellow (60%)
- Blue (98%)



- Cyan (94%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)





- Cyan (95%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4026, 71.6789, 53.7201 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 42.4026, 71.6789, 53.7201 by changing the saturation by 10% instead.


 42.4026, 71.6789,
53.7201


 42.4026, 71.6789,
53.7201

347.1125,
466.4232, 418.1862


 29.6092, 52.8964,
37.9863


 78.0699, 121.5999,
97.1154


 19.6887, 37.7201,
25.6703


 101.6745,
153.5072, 125.6140


 12.2759, 25.7655,
16.3536


 129.6135,
190.5582, 159.2045

 7.0054, 16.6483,
9.6177

 162.2523,
233.1374, 198.3056

 3.5118, 9.9841,
5.0439

 199.9563,
281.6291, 243.3358

 1.4299, 5.3884,
2.2139

243.0907,

 0.2774, 2.4769,

336.4177, 294.7136

0.6824

292.0210,
397.8876, 352.8575

■ 0.0000, 0.8650,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4026, 71.6789,
53.7201

■ 42.4026, 71.6789,
53.7201

■ 41.7997, 71.4188,
51.4846

■ 43.8483, 72.3351,
57.8998

■ 45.9576, 73.3265,
62.3348

■ 48.8388, 74.7107,
67.0352

■ 52.5789, 76.5326,
72.0085

■ 57.2526, 78.8306,
77.2613

■ 62.9267, 81.6389,
82.8000

■ 69.6612, 84.9886,
88.6306

■ 77.5118, 88.9082,
94.7588

■ 86.5298, 93.4242,
101.1899

Harmonies

Analogous

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



49.1374, 71.6789, 28.6314



42.4026, 71.6789, 53.7201



41.8352, 71.6789, 98.6911

Triad

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



42.4026, 71.6789, 53.7201



75.0001, 71.6789, 202.9219



94.0982, 71.6789, 31.8823

Complementary

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



42.4026, 71.6789, 53.7201



41.2641, 21.3119, 10.7492

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.



103.6231, 71.6789, 60.5019



42.4026, 71.6789, 53.7201



91.4737, 71.6789, 165.2665

Square

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



42.4026, 71.6789, 53.7201



58.9992, 71.6789, 198.7172



102.5924, 71.6789, 108.7896



78.1544, 71.6789, 19.9355

Rectangle

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



42.4026, 71.6789, 53.7201



44.8863, 71.6789, 136.4709



102.5924, 71.6789, 108.7896



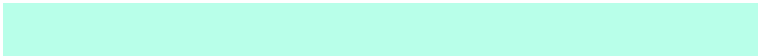
98.2632, 71.6789, 39.2523

Sweetspot

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



42.4045, 71.6817, 53.7218



70.1701, 87.5565, 90.4531



38.3626, 70.5172, 12.0057



14.3765, 18.4211, 18.7991



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.



42.4045, 71.6817, 53.7218



43.7151, 74.7021, 53.8111



39.6878, 51.4966, 98.2938



17.5271, 19.5131, 20.9760



22.2382, 37.9083, 27.6615



2.1068, 3.5298, 2.8105

Inverse Universe

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



41.2641, 21.3119, 10.7492



42.6082, 21.8073, 9.1349



40.9828, 23.3116, 2.7560



17.4626, 17.3124, 19.0259



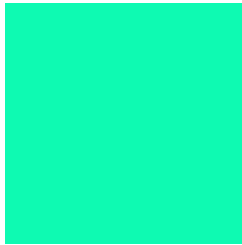
21.6649, 11.0817, 4.9439



2.0516, 1.0444, 0.6950

Previews

White Background



This preview shows how the XYZ color 42.4026, 71.6789, 53.7201 looks on a white background.

Color Contrast Check

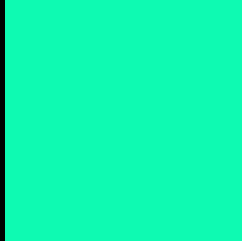
Large Text (above 18pt) WCAG AA × Fail

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 42.4026, 71.6789, 53.7201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

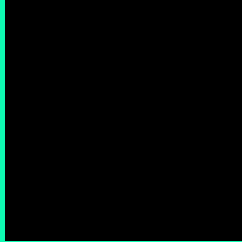
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

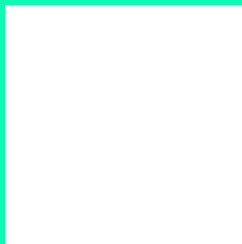
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4026, 71.6789, 53.7201

Background



This preview shows how black text looks on a background with the XYZ color 42.4026, 71.6789, 53.7201.



This preview shows how white text looks on a background with the XYZ color 42.4026, 71.6789, 53.7201.

Color Blindness Simulation

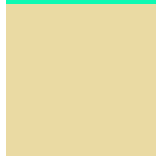
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.4026, 71.6789, 53.7201



Protanopia

65.6139, 70.2796, 44.7574



Deuteranopia

71.4406, 70.0050, 56.7607



Tritanopia

54.6409, 71.0396, 105.4399

Trichromacy



Original Color

42.4026, 71.6789, 53.7201



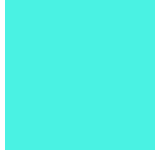
Protanomaly

48.6911, 66.2908, 47.2749



Deuteranomaly

50.8868, 65.2036, 55.2509



Tritanomaly

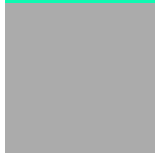
48.4413, 70.5062, 83.7290

Monochromacy



Original Color

42.4026, 71.6789, 53.7201



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.2337, 47.9420, 47.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4026, 71.6789, 53.7201 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(14, 250, 178)` looks like.

```
.text, #text, p{  
    color:rgb(14, 250, 178)  
}
```

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(14, 250, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 250, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.4026, 71.6789, 53.7201 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(14, 250, 178) }
```


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

```
.border{ border-color:rgb(14, 250, 178) }
```

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

Here you see how a box with a 4 pixel rgb(14, 250, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 250, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 250, 178);  
box-shadow:4px 4px 4px 4px rgb(14, 250,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4026, 71.6789, 53.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 250, 178) }
```

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

```
.background{ background-color: rgb(14, 250,  
178) }
```

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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