

Converting Colors

XYZ(22.2819, 59.1969, 79.2336)

Have a look what the booklet for
XYZ(22.2819, 59.1969, 79.2336)
contains.

XYZ(46.4456, 71.7955, 80.5172)	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(46.4456, 71.7955,
80.5172)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7DE
RGB	0, 247, 222
RGB Percent	0%, 97%, 87%
CMY	0.9998, 0.0314, 0.1294
CMYK	1.00, 0.00, 0.10, 0.03
HSL	174°, 100%, 48%
HSV	174°, 100%, 97%
XYZ	46.4456, 71.7955, 80.5172
YIQ	170.2970, -139.1870, -60.1390

Conversions

Conversions Part 2

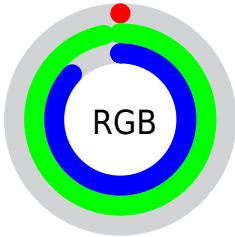
Format	Color
RYB	0, 130, 247
Decimal	63454
CIELab	87.87, -53.89, -1.77
CIELCh	88, 53.918, 181.884
Yxy	71.7955, 0.2337, 0.3612
Android (android.graphics.Color)	4278253534 (0xFF00F7DE)
YUV	170.2970, 25.4896, -149.3505
Hunter-Lab	84.7322, -50.4374, 2.9720

Details

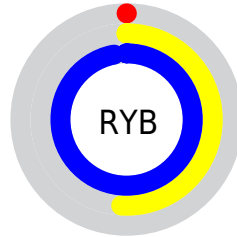
The XYZ color **46.4456, 71.7955, 80.5172** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **38.5358, 19.8465, 2.7227**, and the grayscale version is **38.2923, 40.2865, 43.8720**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **25.3885, 39.6169, 42.8679** is the 20% darker color. If you saturate the color by 10%, you get **46.4462, 71.7976, 80.5149**, and if you desaturate by 10%, it is **47.1797, 72.1366, 82.3160**.

Distribution



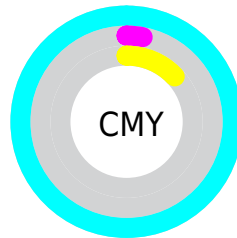
- Red (0%)
- Green (97%)
- Blue (87%)



- Red (0%)
- Yellow (51%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4456, 71.7955, 80.5172 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 46.4456, 71.7955, 80.5172 by changing the saturation by 10% instead.


 46.4456, 71.7955,
80.5172


 46.4456, 71.7955,
80.5172


363.2832,
466.8295, 516.4268


 32.8037, 52.9916,
59.6154


 84.1093, 121.7657,
135.9106


 22.1346, 37.7961,
42.6854


 108.8618,
153.7009, 171.2393


 14.0730, 25.8245,
29.3088


 138.0485,
190.7820, 212.2140

 8.2535, 16.6924,
19.0670

 172.0348,
233.3933, 259.2532

 4.3108, 10.0154,
11.5414

 211.1861,
281.9194, 312.7756

 1.8794, 5.4092,
6.3135

255.8677,

 0.5648, 2.4893,

336.7445, 373.1996

2.9648

306.4449,
398.2531, 440.9438

■ 0.0000, 0.8713,
1.0767

■ 0.0000, 0.0000,
0.0000

■ 46.4456, 71.7955,
80.5172

■ 46.4456, 71.7955,
80.5172

■ 46.4462, 71.7976,
80.5149

■ 47.1797, 72.1366,
82.3160

■ 48.4163, 72.7345,
84.1628

■ 50.3114, 73.6713,
86.0666

■ 52.9581, 74.9949,
88.0318

■ 56.4344, 76.7457,
90.0623

■ 60.8084, 78.9586,
92.1613

■ 66.1413, 81.6654,
94.3317

■ 72.4890, 84.8946,
96.5763

■ 79.9028, 88.6728,
98.8977

Harmonies

Analogous

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



48.7226, 71.7955, 49.3964



46.4456, 71.7955, 80.5172



49.3729, 71.7955, 121.7130

Triad

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



46.4456, 71.7955, 80.5172



82.1076, 71.7955, 154.7605



80.5298, 71.7955, 30.9709

Complementary

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



46.4456, 71.7955, 80.5172



38.5358, 19.8465, 2.7227

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.



91.3874, 71.7955, 46.4948



46.4456, 71.7955, 80.5172



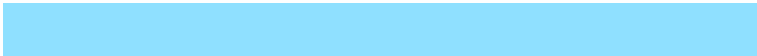
92.3756, 71.7955, 116.3920

Square

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



46.4456, 71.7955, 80.5172



69.0531, 71.7955, 172.1072



95.9651, 71.7955, 75.8749



67.4322, 71.7955, 26.7089

Rectangle

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



46.4456, 71.7955, 80.5172



54.1248, 71.7955, 147.9217



95.9651, 71.7955, 75.8749



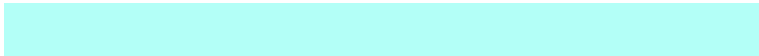
84.6167, 71.7955, 34.7415

Sweetspot

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



46.4477, 71.7982, 80.5189



71.0629, 87.7754, 101.3989



33.7652, 66.7832, 11.1125



14.6650, 18.5106, 21.4906



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.



46.4477, 71.7982, 80.5189



49.9284, 77.1874, 86.5298



28.0733, 29.2831, 92.1713



16.9201, 18.7272, 20.8638



24.5937, 37.9823, 42.7416



2.1820, 3.3465, 3.8645

Inverse Universe

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



38.5358, 19.8465, 2.7227



41.4244, 21.3338, 2.9011



42.4264, 27.9089, 3.1524



16.5673, 16.5098, 17.4679



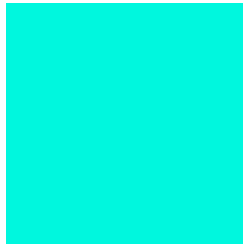
20.4024, 10.5044, 1.5615



1.8155, 0.9322, 0.2548

Previews

White Background



This preview shows how the XYZ color 46.4456, 71.7955, 80.5172 looks on a white background.

Color Contrast Check

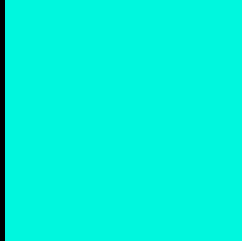
Large Text (above 18pt) WCAG AA × Fail

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 46.4456, 71.7955, 80.5172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

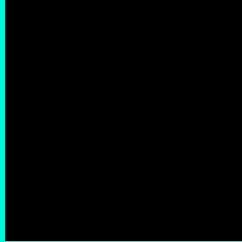
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4456, 71.7955, 80.5172

Background



This preview shows how black text looks on a background with the XYZ color 46.4456, 71.7955, 80.5172.

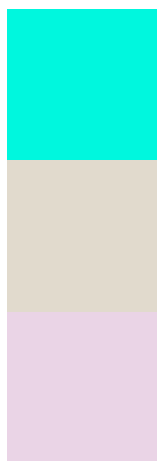


This preview shows how white text looks on a background with the XYZ color 46.4456, 71.7955,

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

46.4456, 71.7955, 80.5172

Protanopia

67.1422, 70.5581, 67.8379

Deuteranopia

71.7581, 70.2926, 84.6487



Tritanopia

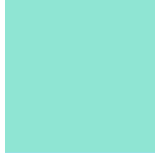
54.6879, 71.4949, 105.5253

Trichromacy



Original Color

46.4456, 71.7955, 80.5172



Protanomaly

51.1049, 66.5814, 71.7860



Deuteranomaly

53.1848, 65.7860, 82.5679



Tritanomaly

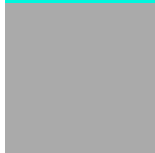
50.0169, 70.6106, 95.7871

Monochromacy



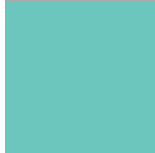
Original Color

46.4456, 71.7955, 80.5172



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.5637, 47.2504, 55.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4456, 71.7955, 80.5172 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(0, 247, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 222)  
}
```

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(0, 247, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.4456, 71.7955, 80.5172 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(0, 247, 222) }
```


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

```
.border{ border-color:rgb(0, 247, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4456, 71.7955, 80.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 222) }
```

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

```
.background{ background-color: rgb(0, 247,  
222) }
```

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