

Converting Colors

XYZ(43.4434, 71.9070, 76.2017)

Have a look what the booklet for
XYZ(43.4434, 71.9070, 76.2017)
contains.

XYZ(46.4513, 73.2775, 75.9857)	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(46.4513, 73.2775,
75.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAD7
RGB	0, 250, 215
RGB Percent	0%, 98%, 84%
CMY	0.9998, 0.0196, 0.1569
CMYK	1.00, 0.00, 0.14, 0.02
HSL	172°, 100%, 49%
HSV	172°, 100%, 98%
XYZ	46.4513, 73.2775, 75.9857
YIQ	171.2600, -137.7650, -63.8850

Conversions

Conversions Part 2

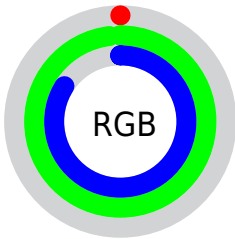
Format	Color
RYB	0, 134, 250
Decimal	64215
CIELab	88.58, -56.93, 2.91
CIELCh	89, 57.007, 177.074
Yxy	73.2775, 0.2373, 0.3744
Android (android.graphics.Color)	4278254295 (0xFF00FAD7)
YUV	171.2600, 21.5638, -150.1950
Hunter-Lab	85.6023, -52.9426, 7.2922

Details

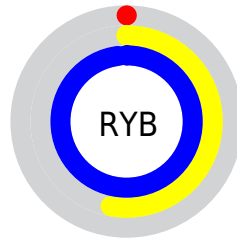
The XYZ color **46.4513, 73.2775, 75.9857** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **39.7303, 20.4474, 3.4467**, and the grayscale version is **38.7919, 40.8121, 44.4444**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **25.1948, 40.2373, 39.6964** is the 20% darker color. If you saturate the color by 10%, you get **46.4519, 73.2797, 75.9829**, and if you desaturate by 10%, it is **47.3097, 73.6692, 78.4012**.

Distribution



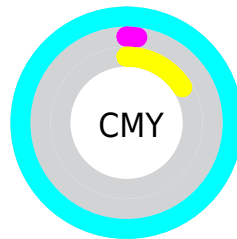
- Red (0%)
- Green (98%)
- Blue (84%)



- Red (0%)
- Yellow (53%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4513, 73.2775, 75.9857 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 46.4513, 73.2775, 75.9857 by changing the saturation by 10% instead.


 46.4513, 73.2775,
75.9857


 46.4513, 73.2775,
75.9857


363.3057,
471.9760, 500.6443

 32.8082, 54.2029,
55.9142


 84.1177, 123.8711,
129.4666


 22.1381, 38.7639,
39.7306


 108.8718,
156.1588, 163.7131


 14.0756, 26.5761,
27.0164


 138.0603,
193.6198, 203.5216

 8.2553, 17.2551,
17.3530

 172.0485,
236.6383, 249.3108

 4.3119, 10.4166,
10.3219

 211.2017,
285.5988, 301.4991

 1.8801, 5.6760,
5.5045


255.8855,

 0.5652, 2.6491,


340.8857, 360.5051


2.4823


306.4650,
402.8833, 426.7473


 0.0000, 0.9514,
0.8308


 0.0000, 0.0000,
0.0000

 46.4513, 73.2775,
75.9857


 46.4513, 73.2775,
75.9857

 46.4519, 73.2797,
75.9829

 47.3097, 73.6692,
78.4012

 48.6899, 74.3271,
80.8901

 50.7518, 75.3352,
83.4618

 53.5914, 76.7432,
86.1210

■ 57.2890, 78.5923,
88.8719

■ 61.9150, 80.9189,
91.7179

■ 67.5324, 83.7554,
94.6624

■ 74.1987, 87.1315,
97.7083

■ 81.9669, 91.0745,
100.8585

Harmonies

Analogous

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



49.7397, 73.2775, 45.3166



46.4513, 73.2775, 75.9857



48.6697, 73.2775, 119.4239

Triad

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



46.4513, 73.2775, 75.9857



82.3801, 73.2775, 167.9195



85.0208, 73.2775, 31.6320

Complementary

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



46.4513, 73.2775, 75.9857



39.7303, 20.4474, 3.4467

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.



95.9253, 73.2775, 50.0621



46.4513, 73.2775, 75.9857



94.2652, 73.2775, 128.3947

Square

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



46.4513, 73.2775, 75.9857



68.3079, 73.2775, 181.7389



99.5107, 73.2775, 83.7125



71.0057, 73.2775, 25.5612

Rectangle

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



46.4513, 73.2775, 75.9857



53.1575, 73.2775, 149.0172



99.5107, 73.2775, 83.7125



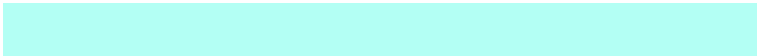
89.2386, 73.2775, 36.2125

Sweetspot

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



46.4534, 73.2803, 75.9874



70.6079, 87.5934, 99.0028



34.9696, 68.7771, 11.4336



14.5547, 18.4664, 20.9097



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.



46.4534, 73.2803, 75.9874



48.5846, 76.6499, 79.4537



30.2685, 32.9266, 95.2058



17.6551, 19.5643, 21.6505



24.6793, 38.8847, 40.5159



2.3136, 3.6125, 3.8991

Inverse Universe

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



39.7303, 20.4474, 3.4467



41.5540, 21.3856, 3.5835



42.8774, 27.2277, 2.9969



17.3436, 17.2648, 18.3991



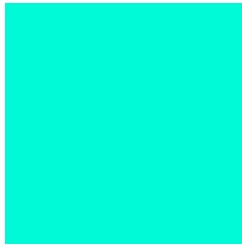
21.1031, 10.8570, 1.9857



1.9838, 1.0172, 0.3379

Previews

White Background



This preview shows how the XYZ color 46.4513, 73.2775, 75.9857 looks on a white background.

Color Contrast Check

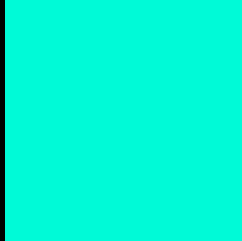
Large Text (above 18pt) WCAG AA × Fail

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 46.4513, 73.2775, 75.9857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

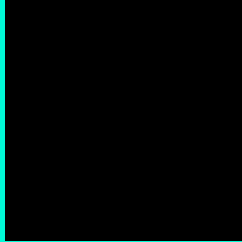
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

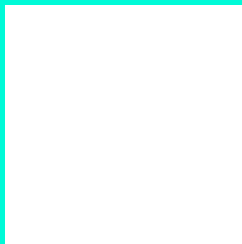
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4513, 73.2775, 75.9857

Background



This preview shows how black text looks on a background with the XYZ color 46.4513, 73.2775, 75.9857.



This preview shows how white text looks on a background with the XYZ color 46.4513, 73.2775, 75.9857.

Color Blindness Simulation

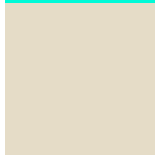
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



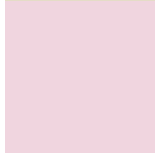
Original Color

46.4513, 73.2775, 75.9857



Protanopia

68.2151, 71.9679, 64.3287



Deuteranopia

73.0487, 71.4415, 79.7515



Tritanopia

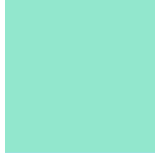
56.8017, 73.0180, 105.7079

Trichromacy



Original Color

46.4513, 73.2775, 75.9857



Protanomaly

51.4494, 67.6706, 68.1077



Deuteranomaly

53.2515, 66.3323, 77.7069



Tritanomaly

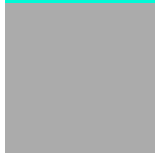
50.8393, 71.9702, 93.6502

Monochromacy



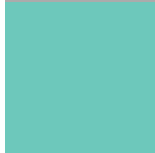
Original Color

46.4513, 73.2775, 75.9857



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9306, 48.1476, 54.4134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4513, 73.2775, 75.9857 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, 250, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 215)  
}
```

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, 250, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 215) }
```

Border

The CSS property to change the border of an element to XYZ 46.4513, 73.2775, 75.9857 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, 250, 215) }
```


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

```
.border{ border-color:rgb(0, 250, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4513, 73.2775, 75.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 215) }
```

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

```
.background{ background-color: rgb(0, 250,  
215) }
```

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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