

Converting Colors

XYZ(38.0084, 65.4644, 81.5175)

Have a look what the booklet for
XYZ(38.0084, 65.4644, 81.5175)
contains.

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Color

**XYZ(45.6412, 69.5374,
82.2507)**

Conversions

Conversions Part 1

Format	Color
Hex	00F3E1
RGB	0, 243, 225
RGB Percent	0%, 95%, 88%
CMY	0.9998, 0.0470, 0.1176
CMYK	1.00, 0.00, 0.07, 0.05
HSL	176°, 100%, 48%
HSV	176°, 100%, 95%
XYZ	45.6412, 69.5374, 82.2507
YIQ	168.2910, -139.0500, -57.1140

Conversions

Conversions Part 2

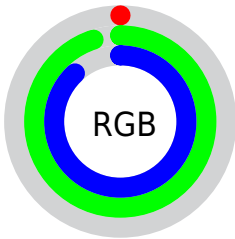
Format	Color
RYB	0, 126, 243
Decimal	62433
CIELab	86.77, -51.43, -4.96
CIELCh	87, 51.670, 185.507
Yxy	69.5374, 0.2312, 0.3522
Android (android.graphics.Color)	4278252513 (0xFF00F3E1)
YUV	168.2910, 27.9575, -147.5912
Hunter-Lab	83.3891, -48.2328, -0.1082

Details

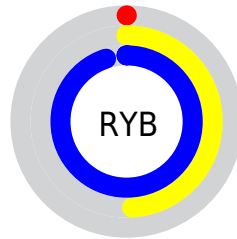
The XYZ color **45.6412, 69.5374, 82.2507** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.0737, 19.1005, 2.3076**, and the grayscale version is **37.2877, 39.2295, 42.7209**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.8146, 38.0201, 44.0610** is the 20% darker color. If you saturate the color by 10%, you get **45.6419, 69.5394, 82.2492**, and if you desaturate by 10%, it is **46.2748, 69.8371, 83.5711**.

Distribution



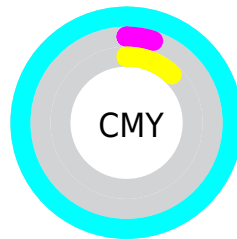
- Red (0%)
- Green (95%)
- Blue (88%)



- Red (0%)
- Yellow (49%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6412, 69.5374, 82.2507 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 45.6412, 69.5374, 82.2507 by changing the saturation by 10% instead.


 45.6412, 69.5374,
82.2507


 45.6412, 69.5374,
82.2507


360.1044,
458.9241, 522.3913


 32.1662, 51.1495,
61.0352


 82.9129, 118.5488,
138.3653


 21.6446, 36.3276,
43.8228


 107.4404,
149.9411, 174.1016


 13.7112, 24.6873,
30.1951


 136.3827,
186.4370, 215.5151

 8.0004, 15.8442,
19.7334

 170.1052,
228.4209, 263.0245

 4.1470, 9.4140,
12.0192

 208.9732,
276.2771, 317.0482

 1.7856, 5.0122,
6.6341

253.3522,

 0.5090, 2.2544,

330.3901, 378.0049

3.1594

303.6075,
391.1443, 446.3131

■ 0.0000, 0.7494,
1.1766

■ 0.0000, 0.0000,
0.0000

■ 45.6412, 69.5374,
82.2507

■ 45.6412, 69.5374,
82.2507

■ 45.6419, 69.5394,
82.2492

■ 46.2748, 69.8371,
83.5711

■ 47.3894, 70.3828,
84.9260

■ 49.1360, 71.2541,
86.3241

■ 51.6037, 72.4968,
87.7696

■ 54.8676, 74.1497,
89.2660

■ 58.9931, 76.2464,
90.8165

■ 64.0389, 78.8172,
92.4238

■ 70.0586, 81.8899,
94.0906

■ 77.1017, 85.4897,
95.8190

Harmonies

Analogous

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



47.2013, 69.5374, 51.4397



45.6412, 69.5374, 82.2507



48.9970, 69.5374, 121.0691

Triad

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



45.6412, 69.5374, 82.2507



80.4568, 69.5374, 143.4474



76.1529, 69.5374, 30.0182

Complementary

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



45.6412, 69.5374, 82.2507



37.0737, 19.1005, 2.3076

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.



86.7649, 69.5374, 43.3913



45.6412, 69.5374, 82.2507



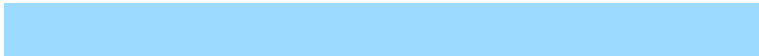
89.4534, 69.5374, 106.6290

Square

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



45.6412, 69.5374, 82.2507



68.3377, 69.5374, 162.6357



91.8911, 69.5374, 69.5339



63.8984, 69.5374, 27.0686

Rectangle

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



45.6412, 69.5374, 82.2507



53.8417, 69.5374, 144.4795



91.8911, 69.5374, 69.5339



80.0751, 69.5374, 33.1915

Sweetspot

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



45.6432, 69.5400, 82.2524



71.3857, 87.9045, 103.0987



32.3467, 64.2554, 10.6994



14.7434, 18.5419, 21.9035



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.



45.6432, 69.5400, 82.2524



50.9156, 77.5822, 91.7282



25.8187, 25.7512, 88.4065



16.9406, 18.7354, 20.9715



25.0712, 38.1733, 45.2563



2.2191, 3.3613, 4.0594

Inverse Universe

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



37.0737, 19.1005, 2.3076



41.3566, 21.3067, 2.5443



41.6452, 28.4184, 3.2920



16.5489, 16.5024, 17.3713



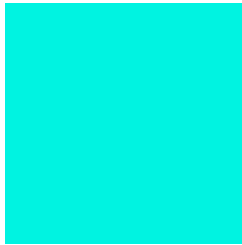
20.3640, 10.4890, 1.3594



1.8068, 0.9287, 0.2088

Previews

White Background



This preview shows how the XYZ color 45.6412, 69.5374, 82.2507 looks on a white background.

Color Contrast Check

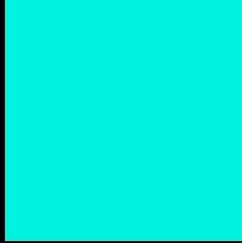
Large Text (above 18pt) WCAG AA × Fail

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 45.6412, 69.5374, 82.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

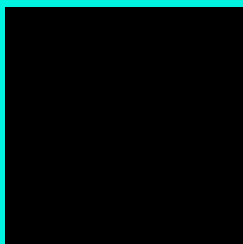
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

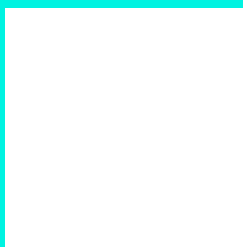
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6412, 69.5374, 82.2507

Background



This preview shows how black text looks on a background with the XYZ color 45.6412, 69.5374, 82.2507.

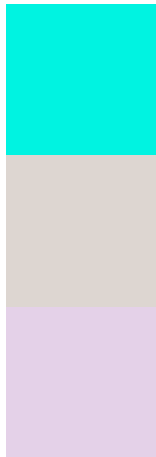


This preview shows how white text looks on a background with the XYZ color 45.6412, 69.5374,

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

45.6412, 69.5374, 82.2507

Protanopia

65.3740, 68.0687, 70.0146

Deuteranopia

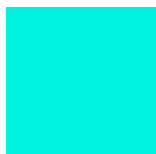
69.3609, 67.9211, 85.7983



Tritanopia

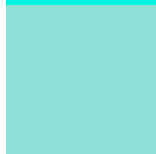
51.8139, 69.5822, 105.3076

Trichromacy



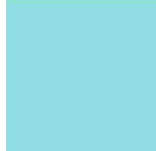
Original Color

45.6412, 69.5374, 82.2507



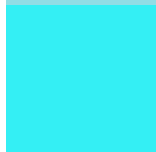
Protanomaly

50.1755, 64.4194, 74.0796



Deuteranomaly

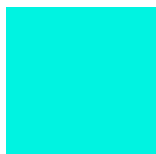
51.6764, 63.3898, 83.6406



Tritanomaly

48.6118, 68.9947, 96.3432

Monochromacy



Original Color

45.6412, 69.5374, 82.2507



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.7638, 45.8301, 55.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6412, 69.5374, 82.2507 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, 243, 225)` looks like.

```
.text, #text, p{  
  color:rgb(0, 243, 225)  
}
```

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, 243, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.6412, 69.5374, 82.2507 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, 243, 225) }
```


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

```
.border{ border-color:rgb(0, 243, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6412, 69.5374, 82.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 225) }
```

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

```
.background{ background-color: rgb(0, 243,  
225) }
```

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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