

Converting Colors

XYZ(42.5624, 64.1423, 77.1553)

Have a look what the booklet for
XYZ(42.5624, 64.1423, 77.1553)
contains.

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Color

**XYZ(42.5624, 64.1423,
77.1553)**

Conversions

Conversions Part 1

Format	Color
Hex	17EADB
RGB	23, 234, 219
RGB Percent	9%, 92%, 86%
CMY	0.9097, 0.0823, 0.1412
CMYK	0.90, 0.00, 0.06, 0.08
HSL	176°, 83%, 50%
HSV	176°, 90%, 92%
XYZ	42.5624, 64.1423, 77.1553
YIQ	169.2010, -120.9410, -49.3970

Conversions

Conversions Part 2

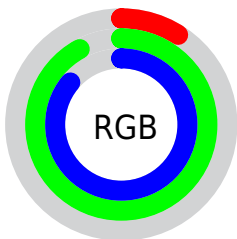
Format	Color
RYB	23, 132, 234
Decimal	1567451
CIELab	84.04, -48.68, -5.82
CIElCh	84, 49.023, 186.822
Yxy	64.1423, 0.2315, 0.3489
Android (android.graphics.Color)	4279757531 (0xFF17EADB)
YUV	169.2010, 24.5509, -128.2183
Hunter-Lab	80.0889, -45.2936, -1.0560

Details

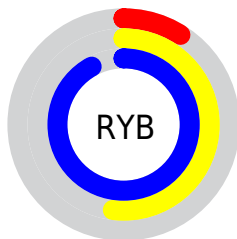
The XYZ color **42.5624, 64.1423, 77.1553** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.5902, 18.2472, 3.5354**, and the grayscale version is **37.7420, 39.7076, 43.2415**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **22.4230, 34.1246, 40.5269** is the 20% darker color. If you saturate the color by 10%, you get **41.9956, 63.8764, 76.0102**, and if you desaturate by 10%, it is **43.5767, 64.6412, 78.3536**.

Distribution



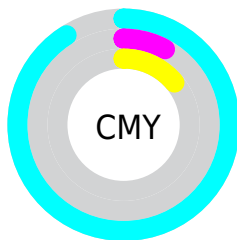
- Red (9%)
- Green (92%)
- Blue (86%)



- Red (9%)
- Yellow (52%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (91%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5624, 64.1423, 77.1553 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 42.5624, 64.1423, 77.1553 by changing the saturation by 10% instead.


 42.5624, 64.1423,
77.1553


 42.5624, 64.1423,
77.1553


347.7611,
439.7033, 504.7451


 29.7349, 46.7659,
56.8680


 78.3099, 110.8158,
131.1337


 19.7846, 32.8507,
40.4906

 101.9607,
140.8818, 165.6619


 12.3459, 22.0121,
27.6046


 129.9500,
175.9465, 205.7741

 7.0536, 13.8658,
17.7914

 162.6431,
216.3941, 251.8890

 3.5423, 8.0274,
10.6324

 200.4054,
262.6093, 304.4250

 1.4466, 4.1125,
5.7092

243.6023,

 0.2891, 1.7367,

314.9763, 363.8006

2.6032

292.5991,
373.8795, 430.4345

■ 0.0000, 0.4472,
0.8941

■ 0.0000, 0.0000,
0.0000

■ 42.5624, 64.1423,
77.1553

■ 42.5624, 64.1423,
77.1553

■ 41.9956, 63.8764,
76.0102

■ 43.5767, 64.6412,
78.3536

■ 45.1665, 65.4351,
79.5888

■ 47.4152, 66.5684,
80.8664

■ 50.3911, 68.0763,
82.1895

■ 54.1541, 69.9897,
83.5610

■ 58.7577, 72.3363,
84.9835

■ 64.2509, 75.1412,
86.4592

■ 70.6788, 78.4276,
87.9903

■ 78.0835, 82.2174,
89.5789

Harmonies

Analogous

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



43.7787, 64.1423, 48.9262



42.5624, 64.1423, 77.1553



45.7894, 64.1423, 111.9548

Triad

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



42.5624, 64.1423, 77.1553



74.2957, 64.1423, 129.1777



69.5209, 64.1423, 28.1544

Complementary

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



42.5624, 64.1423, 77.1553



34.5902, 18.2472, 3.5354

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.



79.1709, 64.1423, 39.8843



42.5624, 64.1423, 77.1553



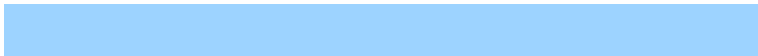
82.1474, 64.1423, 95.9977

Square

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



42.5624, 64.1423, 77.1553



63.4688, 64.1423, 147.2240



84.0294, 64.1423, 63.0025



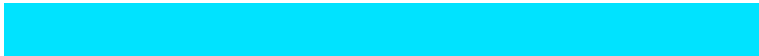
58.5286, 64.1423, 25.8287

Rectangle

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



42.5624, 64.1423, 77.1553



50.2798, 64.1423, 132.4783



84.0294, 64.1423, 63.0025



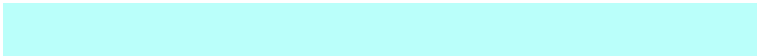
73.0667, 64.1423, 30.9149

Sweetspot

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



42.5643, 64.1447, 77.1568



73.3178, 88.8866, 103.8208



30.4778, 59.3731, 10.6661



15.2327, 18.7905, 22.0920



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.



42.5643, 64.1447, 77.1568



51.0267, 77.6267, 92.3134



25.4999, 26.7113, 81.6564



15.4687, 17.1023, 19.1512



23.6183, 35.9018, 42.8167



1.8685, 2.8247, 3.4353

Inverse Universe

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



34.5902, 18.2472, 3.5354



41.3503, 21.3041, 2.5107



39.7653, 28.9100, 4.2966



15.1089, 15.0714, 15.8589



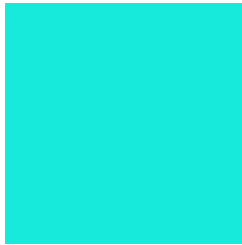
19.1396, 9.8585, 1.2706



1.5181, 0.7802, 0.1799

Previews

White Background



This preview shows how the XYZ color 42.5624, 64.1423, 77.1553 looks on a white background.

Color Contrast Check

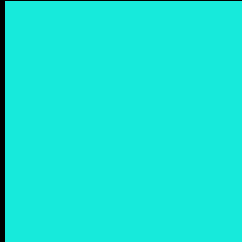
Large Text (above 18pt) WCAG AA × Fail

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 42.5624, 64.1423, 77.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

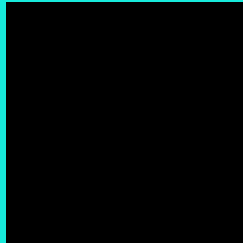
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

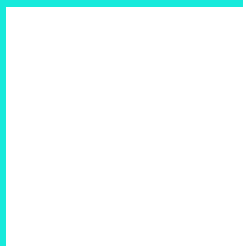
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5624, 64.1423, 77.1553

Background



This preview shows how black text looks on a background with the XYZ color 42.5624, 64.1423, 77.1553.

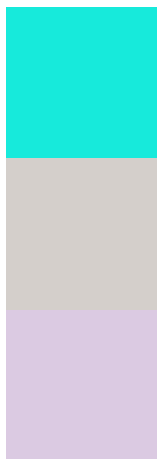


This preview shows how white text looks on a background with the XYZ color 42.5624, 64.1423,

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

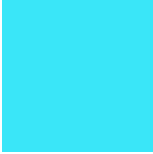
42.5624, 64.1423, 77.1553

Protanopia

60.2437, 62.9345, 65.4723

Deuteranopia

64.0614, 62.7921, 80.6952



Tritanopia

46.9850, 64.2705, 98.7360

Trichromacy



Original Color

42.5624, 64.1423, 77.1553



Protanomaly

47.6492, 60.0688, 69.4047



Deuteranomaly

49.5786, 59.7167, 78.7255



Tritanomaly

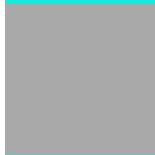
44.9442, 63.8241, 90.0713

Monochromacy



Original Color

42.5624, 64.1423, 77.1553



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.2421, 45.4408, 53.9272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5624, 64.1423, 77.1553 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(23, 234, 219)` looks like.

```
.text, #text, p{  
    color:rgb(23, 234, 219)  
}
```

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(23, 234, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 234, 219) }
```

Border

The CSS property to change the border of an element to XYZ 42.5624, 64.1423, 77.1553 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(23, 234, 219) }
```


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

```
.border{ border-color:rgb(23, 234, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 234, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 234, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 234, 219);  
box-shadow:4px 4px 4px 4px rgb(23, 234,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5624, 64.1423, 77.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 234, 219) }
```

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

```
.background{ background-color: rgb(23, 234,  
219) }
```

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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