

Converting Colors

XYZ(41.1218, 60.6966, 77.8754)

Have a look what the booklet for
XYZ(41.1218, 60.6966, 77.8754)
contains.

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Color

**XYZ(41.2465, 60.9403,
77.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	1BE4DD
RGB	27, 228, 221
RGB Percent	11%, 89%, 87%
CMY	0.8940, 0.1059, 0.1333
CMYK	0.88, 0.00, 0.03, 0.11
HSL	178°, 79%, 50%
HSV	178°, 88%, 89%
XYZ	41.2465, 60.9403, 77.9953
YIQ	167.1030, -117.5490, -44.7890

Conversions

Conversions Part 2

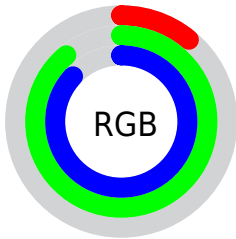
Format	Color
R _Y B	27, 129, 228
Decimal	1828061
CIE Lab	82.35, -45.36, -9.39
CIE LCh	82, 46.322, 191.692
Yxy	60.9403, 0.2289, 0.3382
Android (android.graphics.Color)	4280018141 (0xFF1BE4DD)
YUV	167.1030, 26.5712, -122.8703
Hunter-Lab	78.0643, -42.2992, -4.5926

Details

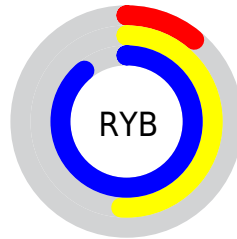
The XYZ color **41.2465, 60.9403, 77.9953** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.6776, 17.3951, 3.1506**, and the grayscale version is **36.7006, 38.6118, 42.0483**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **21.6355, 32.2582, 41.1625** is the 20% darker color. If you saturate the color by 10%, you get **40.7430, 60.6943, 77.4219**, and if you desaturate by 10%, it is **42.2085, 61.4253, 78.5955**.

Distribution



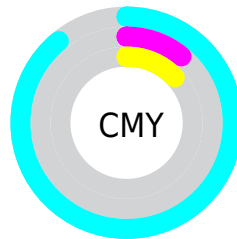
- Red (11%)
- Green (89%)
- Blue (87%)



- Red (11%)
- Yellow (51%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (89%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2465, 60.9403, 77.9953 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 41.2465, 60.9403, 77.9953 by changing the saturation by 10% instead.

 41.2465, 60.9403,
77.9953


 41.2465, 60.9403,
77.9953


342.3948,
428.0551, 507.6784


 28.7003, 44.1770,
57.5537


 76.3303, 106.1925,
132.3293

 18.9973, 30.8097,
41.0376


 99.5986, 135.4502,
167.0588


 11.7723, 20.4540,
28.0286


 127.1716,
169.6414, 207.3880

 6.6599, 12.7255,
18.1080

 159.4146,
209.1506, 253.7354

 3.2948, 7.2398,
10.8573

 196.6931,
254.3622, 306.5196

 1.3115, 3.6125,
5.8580

239.3724,

 0.1918, 1.4593,

305.6605, 366.1591

2.6915

287.8179,
363.4300, 433.0726

■ 0.0000, 0.2598,
0.9392

■ 0.0000, 0.0000,
0.0000

■ 41.2465, 60.9403,
77.9953

■ 41.2465, 60.9403,
77.9953

■ 40.7430, 60.6943,
77.4219

■ 42.2085, 61.4253,
78.5955

■ 40.6706, 60.6592,
77.3167

■ 43.7277, 62.1962,
79.2231

■ 45.8791, 63.2929,
79.8828

■ 48.7250, 64.7476,
80.5777

■ 52.3201, 66.5884,
81.3103

■ 56.7138, 68.8409,
82.0829

■ 61.9512, 71.5283,
82.8976

■ 68.0740, 74.6720,
83.7564

■ 75.1212, 78.2923,
84.6611

Harmonies

Analogous

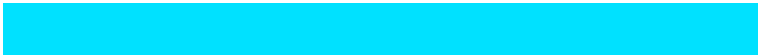
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7004, 60.9403, 50.6953



41.2465, 60.9403, 77.9953



44.8684, 60.9403, 109.4939

Triad

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



41.2465, 60.9403, 77.9953



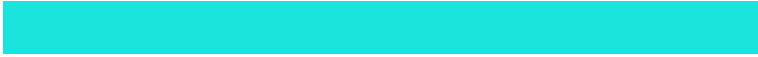
71.4916, 60.9403, 115.8084



64.0936, 60.9403, 26.9581

Complementary

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



41.2465, 60.9403, 77.9953



32.6776, 17.3951, 3.1506

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.



73.2894, 60.9403, 36.3578



41.2465, 60.9403, 77.9953



77.8838, 60.9403, 84.9437

Square

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



41.2465, 60.9403, 77.9953



61.8557, 60.9403, 135.1222



78.5768, 60.9403, 55.9322



54.1585, 60.9403, 26.0769

Rectangle

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



41.2465, 60.9403, 77.9953



49.3761, 60.9403, 126.6694



78.5768, 60.9403, 55.9322



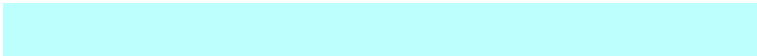
67.4010, 60.9403, 29.0684

Sweetspot

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



41.2483, 60.9426, 77.9968



74.3522, 89.3726, 106.0018



28.7080, 55.9626, 10.3271



15.4501, 18.8912, 22.6124



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.



41.2483, 60.9426, 77.9968



52.4124, 78.1810, 99.6102



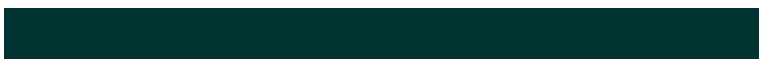
23.4825, 23.8866, 76.7742



14.7846, 16.3273, 18.3966



23.4935, 35.0295, 44.6946



1.7429, 2.5913, 3.3388

Inverse Universe

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



32.6776, 17.3951, 3.1506



41.2887, 21.2795, 2.1863



38.6097, 29.4049, 4.6791



14.3972, 14.3761, 15.0263



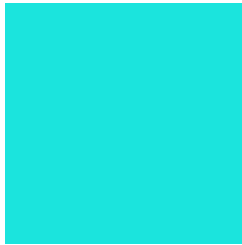
18.5091, 9.5379, 1.0440



1.3750, 0.7077, 0.1152

Previews

White Background



This preview shows how the XYZ color 41.2465, 60.9403, 77.9953 looks on a white background.

Color Contrast Check

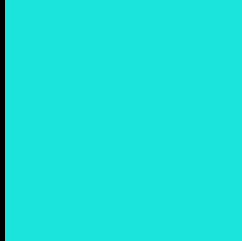
Large Text (above 18pt) WCAG AA × Fail

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 41.2465, 60.9403, 77.9953 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

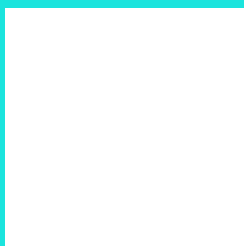
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2465, 60.9403, 77.9953

Background



This preview shows how black text looks on a background with the XYZ color 41.2465, 60.9403, 77.9953.

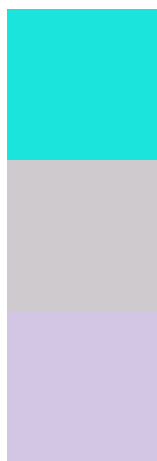


This preview shows how white text looks on a background with the XYZ color 41.2465, 60.9403,

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

41.2465, 60.9403, 77.9953

Protanopia

57.5936, 59.7706, 66.2590

Deuteranopia

61.0616, 59.8385, 81.7305



Tritanopia

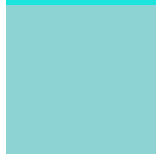
44.5711, 61.0784, 94.2342

Trichromacy



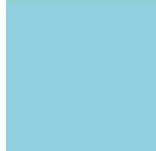
Original Color

41.2465, 60.9403, 77.9953



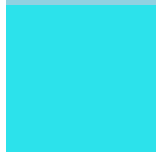
Protanomaly

46.0366, 56.9544, 70.1949



Deuteranomaly

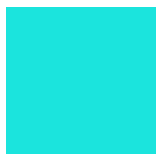
47.8927, 56.9665, 79.7056



Tritanomaly

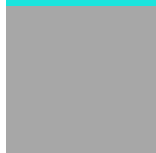
43.2305, 60.9263, 88.0787

Monochromacy



Original Color

41.2465, 60.9403, 77.9953



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.3697, 43.6961, 53.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2465, 60.9403, 77.9953 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(27, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(27, 228, 221)  
}
```

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(27, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 228, 221) }
```

Border

The CSS property to change the border of an element to XYZ 41.2465, 60.9403, 77.9953 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(27, 228, 221) }
```


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

```
.border{ border-color:rgb(27, 228, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 228, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(27, 228,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2465, 60.9403, 77.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 228, 221) }
```

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

```
.background{ background-color: rgb(27, 228,  
221) }
```

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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