

Converting Colors

XYZ(42.6999, 60.1226, 75.6888)

Have a look what the booklet for
XYZ(42.6999, 60.1226, 75.6888)
contains.

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Color

**XYZ(42.7039, 60.1226,
75.6838)**

Conversions

Conversions Part 1

Format	Color
Hex	51E0DA
RGB	81, 224, 218
RGB Percent	32%, 88%, 85%
CMY	0.6823, 0.1216, 0.1451
CMYK	0.64, 0.00, 0.03, 0.12
HSL	177°, 70%, 60%
HSV	177°, 64%, 88%
XYZ	42.7039, 60.1226, 75.6838
YIQ	180.5590, -83.3020, -32.1820

Conversions

Conversions Part 2

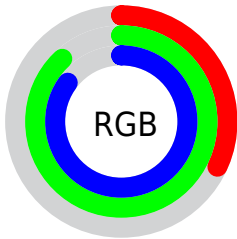
Format	Color
R _Y B	81, 154, 224
Decimal	5365978
CIE Lab	81.90, -39.05, -8.36
CIE LCh	82, 39.935, 192.089
Yxy	60.1226, 0.2392, 0.3368
Android (android.graphics.Color)	4283556058 (0xFF51E0DA)
YUV	180.5590, 18.4584, -87.3132
Hunter-Lab	77.5388, -37.3853, -3.5945

Details

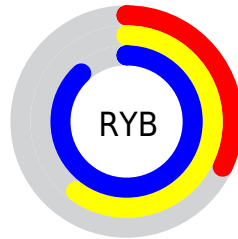
The XYZ color **42.7039, 60.1226, 75.6838** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.4052, 22.4221, 11.4807**, and the grayscale version is **43.6208, 45.8925, 49.9769**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **20.6135, 30.6496, 39.4799** is the 20% darker color. If you saturate the color by 10%, you get **40.9694, 59.2440, 74.9635**, and if you desaturate by 10%, it is **45.0755, 61.3323, 76.4403**.

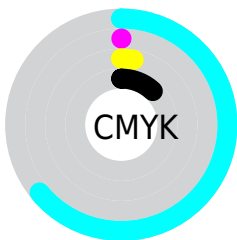
Distribution



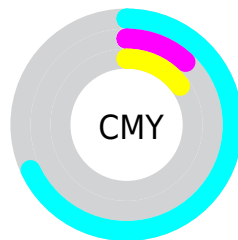
- Red (32%)
- Green (88%)
- Blue (85%)



- Red (32%)
- Yellow (60%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7039, 60.1226, 75.6838 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 42.7039, 60.1226, 75.6838 by changing the saturation by 10% instead.


 42.7039, 60.1226,
75.6838


 42.7039, 60.1226,
75.6838


348.3348,
425.0495, 499.5826


 29.8464, 43.5175,
55.6682


 78.5223, 105.0075,
129.0358


 19.8695, 30.2913,
39.5347

 102.2140,
134.0560, 163.2093

 12.4079, 20.0598,
26.8649


 130.2477,
168.0212, 202.9391

 7.0963, 12.4385,
17.2403

 162.9888,
207.2873, 248.6439

 3.5693, 7.0431,
10.2422

200.8027,
252.2388, 300.7420

 1.4615, 3.4891,
5.4521

244.0548,

 0.2994, 1.3921,

303.2601, 359.6522

2.4516

293.1104,
360.7355, 425.7929

■ 0.0000, 0.2109,
0.8143

■ 0.0000, 0.0000,
0.0000

■ 42.7039, 60.1226,
75.6838

■ 42.7039, 60.1226,
75.6838

■ 40.9694, 59.2440,
74.9635

■ 45.0755, 61.3323,
76.4403

■ 39.8017, 58.6561,
74.2720


■ 48.1352, 62.8953,
77.2313


■ 39.1237, 58.3206,
73.6070


■ 51.9346, 64.8395,
78.0605

■ 38.8712, 58.1990,
73.2067


■ 56.5191, 67.1885,
78.9302

 61.9305, 69.9636,
79.8422

 68.2075, 73.1848,
80.7984

 75.3865, 76.8710,
81.8005

 81.5587, 80.0380,
82.7592

 81.6877, 80.0896,
83.4388

Harmonies

Analogous

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



43.0561, 60.1226, 52.1887



42.7039, 60.1226, 75.6838



45.9311, 60.1226, 101.8055

Triad

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



42.7039, 60.1226, 75.6838



68.7232, 60.1226, 106.3510



62.2807, 60.1226, 30.4586

Complementary

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



42.7039, 60.1226, 75.6838



35.4052, 22.4221, 11.4807

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.



70.0494, 60.1226, 38.9980



42.7039, 60.1226, 75.6838



74.0134, 60.1226, 80.8172

Square

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



42.7039, 60.1226, 75.6838



60.6101, 60.1226, 122.2154



74.5214, 60.1226, 56.2070



53.8140, 60.1226, 29.7310

Rectangle

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



42.7039, 60.1226, 75.6838



49.8820, 60.1226, 115.7023



74.5214, 60.1226, 56.2070



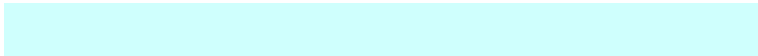
65.0802, 60.1226, 32.3913

Sweetspot

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



42.7057, 60.1249, 75.6852



79.0908, 91.8104, 106.4531



32.1815, 55.9898, 16.8970



16.4933, 19.4280, 22.7105



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.



42.7057, 60.1249, 75.6852



54.2942, 79.1397, 100.2145



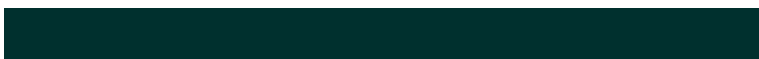
29.3601, 32.1540, 75.1824



14.0904, 15.5619, 17.5114



22.6362, 33.8793, 42.6687



1.5768, 2.3515, 2.9988

Inverse Universe

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



35.4052, 22.4221, 11.4807



43.7959, 24.7560, 7.7632



42.4069, 36.8017, 12.6544



13.7304, 13.7098, 14.3507



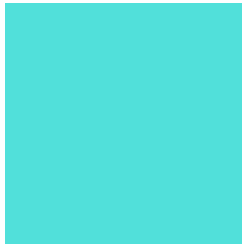
17.9337, 9.2405, 1.0504



1.2514, 0.6438, 0.1167

Previews

White Background



This preview shows how the XYZ color 42.7039, 60.1226, 75.6838 looks on a white background.

Color Contrast Check

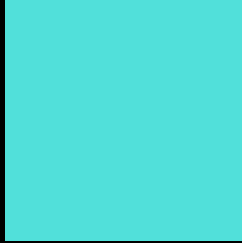
Large Text (above 18pt) WCAG AA × Fail

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 42.7039, 60.1226, 75.6838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

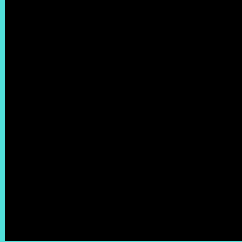
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

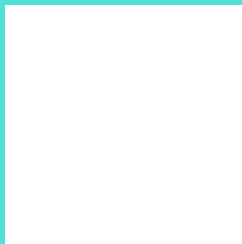
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7039, 60.1226, 75.6838

Background



This preview shows how black text looks on a background with the XYZ color 42.7039, 60.1226, 75.6838.



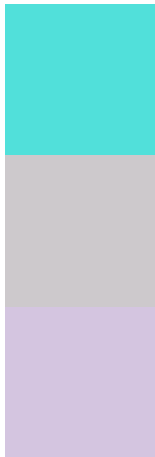
This preview shows how white text looks on a background with the XYZ color 42.7039, 60.1226,

75.6838.

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

42.7039, 60.1226, 75.6838

Protanopia

56.9626, 59.1121, 65.5343

Deuteranopia

60.5722, 59.3114, 78.7768



Tritanopia

45.7508, 60.1690, 90.8638

Trichromacy



Original Color

42.7039, 60.1226, 75.6838



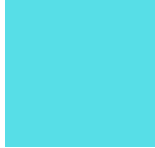
Protanomaly

48.8063, 57.6780, 68.8822



Deuteranomaly

50.8075, 57.7921, 77.5844



Tritanomaly

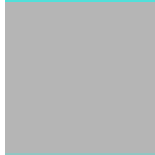
44.4756, 60.0383, 84.8458

Monochromacy



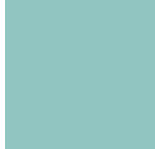
Original Color

42.7039, 60.1226, 75.6838



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.3809, 49.8473, 58.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7039, 60.1226, 75.6838 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(81, 224, 218)` looks like.

```
.text, #text, p{  
    color:rgb(81, 224, 218)  
}
```

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(81, 224, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 224, 218) }
```

Border

The CSS property to change the border of an element to XYZ 42.7039, 60.1226, 75.6838 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(81, 224, 218) }
```


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

```
.border{ border-color:rgb(81, 224, 218) }
```

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

Here you see how a box with a 4 pixel rgb(81, 224, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 224, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 224, 218);  
box-shadow:4px 4px 4px 4px rgb(81, 224,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7039, 60.1226, 75.6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 224, 218) }
```

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

```
.background{ background-color: rgb(81, 224,  
218) }
```

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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