

Converting Colors

XYZ(42.9007, 61.3703, 78.6918)

Have a look what the booklet for
XYZ(42.9007, 61.3703, 78.6918)
contains.

XYZ(42.9007, 61.3703, 78.6918)	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(42.9007, 61.3703,
78.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	42E3DE
RGB	66, 227, 222
RGB Percent	26%, 89%, 87%
CMY	0.7411, 0.1098, 0.1294
CMYK	0.71, 0.00, 0.02, 0.11
HSL	178°, 74%, 57%
HSV	178°, 71%, 89%
XYZ	42.9007, 61.3703, 78.6918
YIQ	178.2910, -94.3510, -35.6870

Conversions

Conversions Part 2

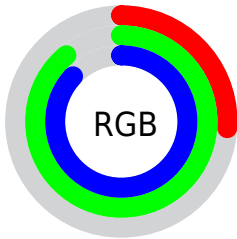
Format	Color
RYB	66, 148, 227
Decimal	4383710
CIELab	82.58, -41.36, -9.52
CIELCh	83, 42.443, 192.962
Yxy	61.3703, 0.2345, 0.3354
Android (android.graphics.Color)	4282573790 (0xFF42E3DE)
YUV	178.2910, 21.5485, -98.4792
Hunter-Lab	78.3392, -39.3421, -4.7194

Details

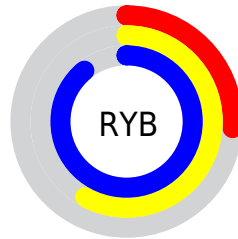
The XYZ color **42.9007, 61.3703, 78.6918** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.7662, 20.6843, 8.1235**, and the grayscale version is **42.3986, 44.6067, 48.5767**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **21.5380, 31.9158, 41.5844** is the 20% darker color. If you saturate the color by 10%, you get **41.5700, 60.6966, 78.1385**, and if you desaturate by 10%, it is **44.8420, 62.3615, 79.2785**.

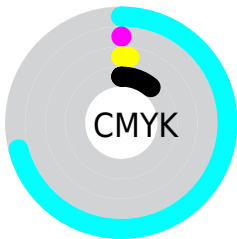
Distribution



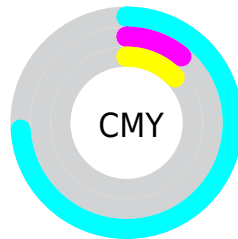
- Red (26%)
- Green (89%)
- Blue (87%)



- Red (26%)
- Yellow (58%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (74%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9007, 61.3703, 78.6918 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 42.9007, 61.3703, 78.6918 by changing the saturation by 10% instead.

 42.9007, 61.3703,
78.6918


 42.9007, 61.3703,
78.6918


349.1317,
429.6304, 510.1031


 30.0014, 44.5241,
58.1226


 78.8176, 106.8149,
133.3196


 19.9877, 31.0827,
41.4919


 102.5660,
136.1821, 168.2153

 12.4943, 20.6619,
28.3810


 130.6614,
170.4917, 208.7237

 7.1559, 12.8771,
18.3716

 163.4692,
210.1282, 255.2631

 3.6070, 7.3439,
11.0449

201.3548,
255.4759, 308.2523

 1.4823, 3.6781,
5.9825

244.6835,

 0.3137, 1.4952,

306.9193, 368.1096

2.7658

293.8207,
364.8426, 435.2537

■ 0.0000, 0.2853,
0.9763

■ 0.0000, 0.0000,
0.0000

■ 42.9007, 61.3703,
78.6918

■ 42.9007, 61.3703,
78.6918

■ 41.5700, 60.6966,
78.1385

■ 44.8420, 62.3615,
79.2785


■ 40.7678, 60.2939,
77.6105


■ 47.4524, 63.6962,
79.8973


■ 40.3817, 60.1047,
77.1490


■ 50.7899, 65.4057,
80.5521


■ 54.9045, 67.5158,
81.2454

 59.8419, 70.0500,
81.9793

 65.6443, 73.0301,
82.7557

 72.3510, 76.4763,
83.5765

 79.9987, 80.4076,
84.4435

 82.7621, 81.8208,
85.0839

Harmonies

Analogous

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



43.1634, 61.3703, 53.2012



42.9007, 61.3703, 78.6918



46.4512, 61.3703, 107.0749

Triad

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



42.9007, 61.3703, 78.6918



71.0728, 61.3703, 110.5589



63.6035, 61.3703, 29.4767

Complementary

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



42.9007, 61.3703, 78.6918



34.7662, 20.6843, 8.1235

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.



72.0801, 61.3703, 38.1816



42.9007, 61.3703, 78.6918



76.6902, 61.3703, 82.5889

Square

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



42.9007, 61.3703, 78.6918



62.3401, 61.3703, 128.4421



77.0769, 61.3703, 56.2099



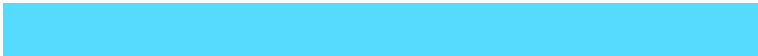
54.4969, 61.3703, 28.9460

Rectangle

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



42.9007, 61.3703, 78.6918



50.7401, 61.3703, 122.0646



77.0769, 61.3703, 56.2099



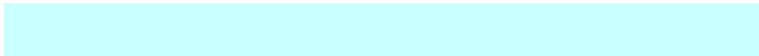
66.6427, 61.3703, 31.4150

Sweetspot

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



42.9025, 61.3726, 78.6933



77.7518, 91.1133, 106.6983



31.0800, 56.6874, 14.4597



16.2375, 19.2943, 22.7799



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.



42.9025, 61.3726, 78.6933



53.5532, 78.7307, 101.3975



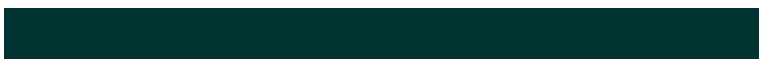
27.3208, 29.1203, 76.8563



14.7871, 16.3283, 18.4096



23.5585, 35.0555, 45.0367



1.7470, 2.5929, 3.3603

Inverse Universe

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



34.7662, 20.6843, 8.1235



42.4145, 22.8516, 4.6563



42.2089, 35.8162, 9.8445



14.3951, 14.3752, 15.0148



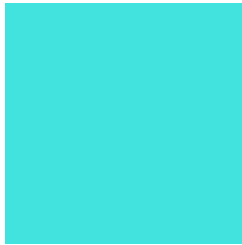
18.5054, 9.5364, 1.0246



1.3739, 0.7073, 0.1096

Previews

White Background



This preview shows how the XYZ color 42.9007, 61.3703, 78.6918 looks on a white background.

Color Contrast Check

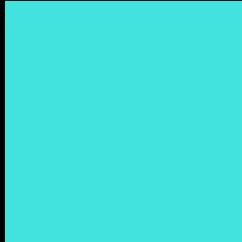
Large Text (above 18pt) WCAG AA × Fail

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 42.9007, 61.3703, 78.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

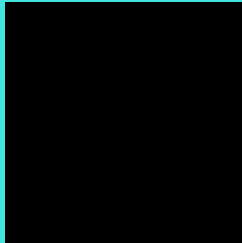
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

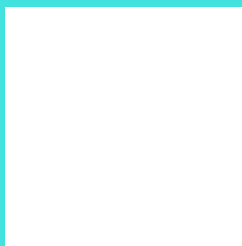
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9007, 61.3703, 78.6918

Background



This preview shows how black text looks on a background with the XYZ color 42.9007, 61.3703, 78.6918.

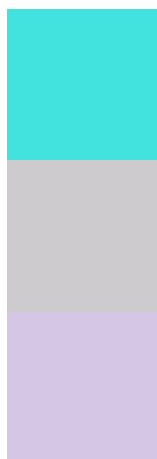


This preview shows how white text looks on a background with the XYZ color 42.9007, 61.3703,

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

42.9007, 61.3703, 78.6918

Protanopia

58.0720, 60.3387, 67.6173

Deuteranopia

61.3491, 59.9867, 81.7439



Tritanopia

45.8246, 61.3418, 93.4293

Trichromacy



Original Color

42.9007, 61.3703, 78.6918



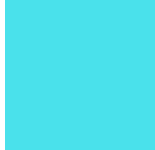
Protanomaly

48.9447, 58.8090, 71.0590



Deuteranomaly

50.8260, 58.4628, 80.5571



Tritanomaly

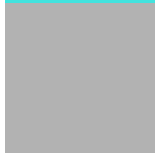
44.7446, 61.3044, 88.0719

Monochromacy



Original Color

42.9007, 61.3703, 78.6918



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.7941, 48.6933, 58.3403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9007, 61.3703, 78.6918 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(66, 227, 222)` looks like.

```
.text, #text, p{  
    color:rgb(66, 227, 222)  
}
```

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(66, 227, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 227, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.9007, 61.3703, 78.6918 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(66, 227, 222) }
```


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

```
.border{ border-color:rgb(66, 227, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 227, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 227, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 227, 222);  
box-shadow:4px 4px 4px 4px rgb(66, 227,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9007, 61.3703, 78.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 227, 222) }
```

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

```
.background{ background-color: rgb(66, 227,  
222) }
```

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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