

Converting Colors

XYZ(40.3609, 60.2982, 70.7560)

Have a look what the booklet for
XYZ(40.3609, 60.2982, 70.7560)
contains.

XYZ(40.2742, 60.1957, 70.4690)	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(40.2742, 60.1957,
70.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	2FE3D2
RGB	47, 227, 210
RGB Percent	18%, 89%, 82%
CMY	0.8156, 0.1098, 0.1765
CMYK	0.79, 0.00, 0.07, 0.11
HSL	174°, 76%, 54%
HSV	174°, 79%, 89%
XYZ	40.2742, 60.1957, 70.4690
YIQ	171.2420, -101.8230, -43.4470

Conversions

Conversions Part 2

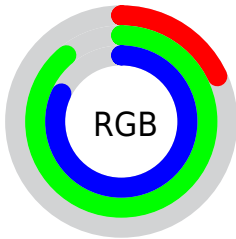
Format	Color
RYB	47, 141, 227
Decimal	3138514
CIELab	81.94, -46.63, -4.13
CIELCh	82, 46.808, 185.061
Yxy	60.1957, 0.2356, 0.3521
Android (android.graphics.Color)	4281328594 (0xFF2FE3D2)
YUV	171.2420, 19.1077, -108.9602
Hunter-Lab	77.5859, -43.1174, 0.4587

Details

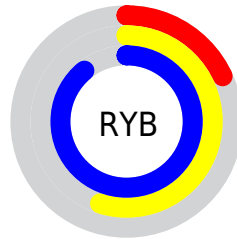
The XYZ color **40.2742, 60.1957, 70.4690** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.6225, 18.7358, 6.6968**, and the grayscale version is **38.7764, 40.7958, 44.4266**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **20.5637, 31.5261, 36.4538** is the 20% darker color. If you saturate the color by 10%, you get **39.2218, 59.6852, 69.0357**, and if you desaturate by 10%, it is **41.8772, 60.9924, 71.9494**.

Distribution



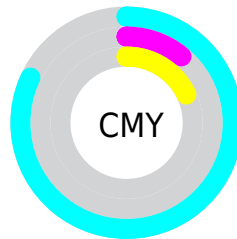
- Red (18%)
- Green (89%)
- Blue (82%)



- Red (18%)
- Yellow (55%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2742, 60.1957, 70.4690 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 40.2742, 60.1957, 70.4690 by changing the saturation by 10% instead.

40.2742, 60.1957,
70.4690

40.2742, 60.1957,
70.4690

338.3926,
425.3187, 481.0286

27.9376, 43.5764,
51.4298

74.8626, 105.1135,
121.5647

18.4188, 30.3376,
36.1717

97.8450, 134.1808,
154.4583

11.3526, 20.0950,
24.2761

125.1067,
168.1662, 192.8072

6.3736, 12.4641,
15.3245

157.0132,
207.4541, 237.0298

3.1163, 7.0606,
8.8983

193.9296,
252.4289, 287.5447

1.2156, 3.5000,
4.5790

236.2214,

0.1186, 1.3980,

303.4750, 344.7704

1.9480

284.2539,
360.9768, 409.1255

■ 0.0000, 0.2153,
0.5230

■ 0.0000, 0.0000,
0.0000

■ 40.2742, 60.1957,
70.4690

■ 40.2742, 60.1957,
70.4690

■ 39.2218, 59.6852,
69.0357

■ 41.8772, 60.9924,
71.9494


■ 38.5960, 59.3928,
67.6397


■ 44.0997, 62.1066,
73.4763


■ 38.5574, 59.3751,
67.5416


■ 47.0061, 63.5730,
75.0539


■ 50.6512, 65.4198,
76.6851

 55.0844, 67.6725,
78.3721

 60.3508, 70.3542,
80.1171

 66.4920, 73.4865,
81.9222

 73.5469, 77.0895,
83.7892

 81.5521, 81.1818,
85.7200

Harmonies

Analogous

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



41.6348, 60.1957, 45.1427



40.2742, 60.1957, 70.4690



43.0077, 60.1957, 102.1012

Triad

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



40.2742, 60.1957, 70.4690



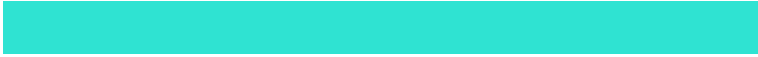
68.8573, 60.1957, 121.0433



65.6197, 60.1957, 27.5031

Complementary

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



40.2742, 60.1957, 70.4690



33.6225, 18.7358, 6.6968

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.



74.2482, 60.1957, 38.9549



40.2742, 60.1957, 70.4690



76.2634, 60.1957, 91.3151

Square

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



40.2742, 60.1957, 70.4690



58.9094, 60.1957, 136.2023



78.3414, 60.1957, 60.8519



55.5519, 60.1957, 24.8630

Rectangle

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



40.2742, 60.1957, 70.4690



46.9926, 60.1957, 121.1429



78.3414, 60.1957, 60.8519



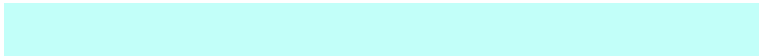
68.8200, 60.1957, 30.2472

Sweetspot

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



40.2760, 60.1980, 70.4704



75.0899, 89.8161, 103.1804



30.1641, 56.2697, 11.9619



15.5604, 18.9637, 21.9115



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.



40.2760, 60.1980, 70.4704



50.5045, 77.4365, 88.7161



26.7609, 29.5958, 76.9778



14.7457, 16.3117, 18.1914



22.5096, 34.6359, 39.5134



1.6806, 2.5664, 3.0105

Inverse Universe

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



33.6225, 18.7358, 6.6968



41.6936, 21.6666, 3.6244



38.7908, 29.7325, 6.3850



14.4320, 14.3900, 15.2094



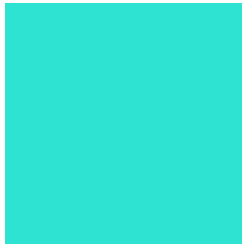
18.5751, 9.5643, 1.3917



1.3916, 0.7144, 0.2029

Previews

White Background



This preview shows how the XYZ color 40.2742, 60.1957, 70.4690 looks on a white background.

Color Contrast Check

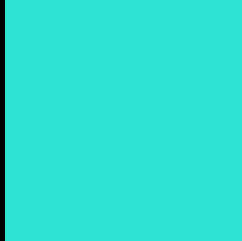
Large Text (above 18pt) WCAG AA × Fail

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 40.2742, 60.1957, 70.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

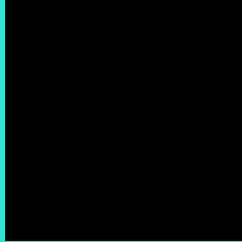
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

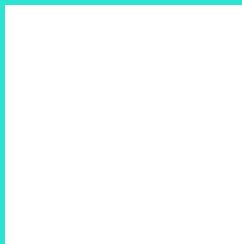
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2742, 60.1957, 70.4690

Background



This preview shows how black text looks on a background with the XYZ color 40.2742, 60.1957, 70.4690.

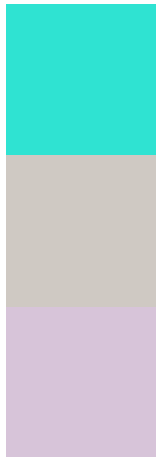


This preview shows how white text looks on a background with the XYZ color 40.2742, 60.1957,

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

40.2742, 60.1957, 70.4690

Protanopia

56.4691, 58.9788, 60.0376

Deuteranopia

60.2886, 58.9367, 73.8440



Tritanopia

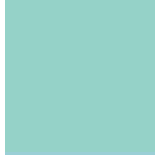
44.7906, 60.4283, 92.5222

Trichromacy



Original Color

40.2742, 60.1957, 70.4690



Protanomaly

45.8663, 56.6529, 63.1613



Deuteranomaly

47.7768, 56.3507, 71.9770



Tritanomaly

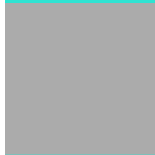
42.9252, 60.0486, 84.1911

Monochromacy



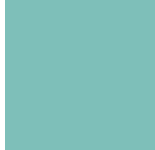
Original Color

40.2742, 60.1957, 70.4690



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9919, 45.2000, 52.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2742, 60.1957, 70.4690 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(47, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(47, 227, 210)  
}
```

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(47, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 227, 210) }
```

Border

The CSS property to change the border of an element to XYZ 40.2742, 60.1957, 70.4690 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(47, 227, 210) }
```


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

```
.border{ border-color:rgb(47, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(47, 227,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2742, 60.1957, 70.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 227, 210) }
```

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

```
.background{ background-color: rgb(47, 227,  
210) }
```

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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