

# Converting Colors

XYZ(40.6894, 61.9334, 68.4835)

Have a look what the booklet for  
XYZ(40.6894, 61.9334, 68.4835)  
contains.

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# Color

**XYZ(40.7552, 62.1435,  
68.2394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CE7CE
RGB	44, 231, 206
RGB Percent	17%, 91%, 81%
CMY	0.8274, 0.0941, 0.1921
CMYK	0.81, 0.00, 0.11, 0.09
HSL	172°, 80%, 54%
HSV	172°, 81%, 91%
XYZ	40.7552, 62.1435, 68.2394
YIQ	172.2370, -103.4270, -47.4190

# Conversions

## Conversions Part 2

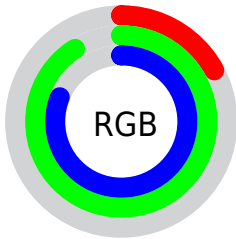
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 144, 231
Decimal	2942926
CIELab	82.99, -49.64, -0.48
CIELCh	83, 49.644, 180.557
Yxy	62.1435, 0.2381, 0.3631
Android (android.graphics.Color)	4281133006 (0xFF2CE7CE)
YUV	172.2370, 16.6452, -112.4638
Hunter-Lab	78.8311, -45.6712, 3.8580

# Details

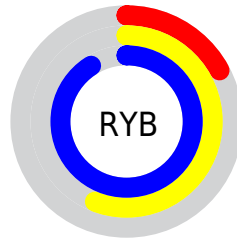
The XYZ color **40.7552, 62.1435, 68.2394** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **34.9320, 19.2218, 7.5018**, and the grayscale version is **39.2914, 41.3376, 45.0166**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **20.8035, 32.5391, 34.8900** is the 20% darker color. If you saturate the color by 10%, you get **39.6535, 61.6199, 66.2495**, and if you desaturate by 10%, it is **42.4193, 62.9590, 70.2969**.

# Distribution



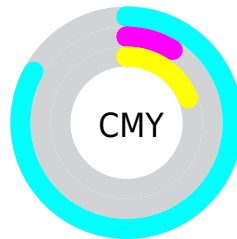
- Red (17%)
- Green (91%)
- Blue (81%)



- Red (17%)
- Yellow (56%)
- Blue (91%)



- Cyan (81%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)




- Cyan (83%)
- Magenta (9%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7552, 62.1435, 68.2394 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 40.7552, 62.1435, 68.2394 by changing the saturation by 10% instead.





 40.7552, 62.1435,  
68.2394


 40.7552, 62.1435,  
68.2394


340.3765,  
432.4543, 472.9648


 28.3147, 45.1487,  
49.6246


 75.5892, 107.9329,  
118.3520


 18.7047, 31.5745,  
34.7461


 98.7134, 137.4963,  
150.6869


 11.5598, 21.0367,  
23.1854


 126.1295,  
172.0179, 188.4323

 6.5148, 13.1509,  
14.5239

 158.2029,  
211.8822, 232.0066

 3.2041, 7.5325,  
8.3430

 195.2990,  
257.4736, 281.8285

 1.2626, 3.7973,  
4.2243

237.7830,

 0.1550, 1.5608,

309.1765, 338.3165

1.7492

286.0204,  
367.3753, 401.8891

■ 0.0000, 0.3310,  
0.3941

■ 0.0000, 0.0000,  
0.0000

■ 40.7552, 62.1435,  
68.2394

■ 40.7552, 62.1435,  
68.2394

■ 39.6535, 61.6199,  
66.2495


■ 42.4193, 62.9590,  
70.2969

■ 39.0159, 61.3294,  
64.4966


■ 44.7205, 64.1007,  
72.4215


■ 47.7277, 65.6055,  
74.6181

■ 51.4994, 67.5035,  
76.8897

 56.0880, 69.8218,  
79.2387

 61.5412, 72.5849,  
81.6679

 67.9031, 75.8155,  
84.1793

 75.2146, 79.5349,  
86.7751

 83.5143, 83.7628,  
89.4573

# Harmonies

## Analogous

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



42.8692, 62.1435, 42.5918



40.7552, 62.1435, 68.2394



43.0313, 62.1435, 102.3399

# Triad

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



40.7552, 62.1435, 68.2394



70.1793, 62.1435, 132.3078



69.7905, 62.1435, 28.1697

# Complementary

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



40.7552, 62.1435, 68.2394



34.9320, 19.2218, 7.5018

# 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.



78.6573, 62.1435, 41.8657



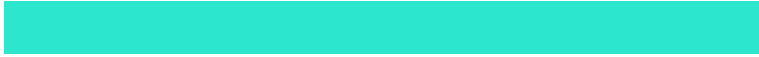
40.7552, 62.1435, 68.2394



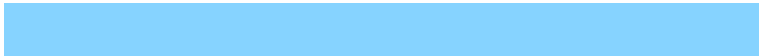
78.9002, 62.1435, 101.0354

# Square

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



40.7552, 62.1435, 68.2394



59.2662, 62.1435, 145.5441



82.1729, 62.1435, 67.0913



58.8653, 62.1435, 24.1296

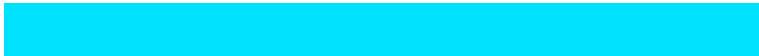


# Rectangle

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



40.7552, 62.1435, 68.2394



46.9118, 62.1435, 124.2714



82.1729, 62.1435, 67.0913



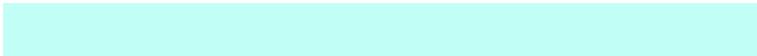
73.1556, 62.1435, 31.5415

# Sweetspot

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



40.7570, 62.1459, 68.2409



74.7171, 89.6670, 101.2173



31.7089, 58.7159, 12.0463



15.4692, 18.9273, 21.4316



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.



40.7570, 62.1459, 68.2409



49.0309, 76.8394, 81.3037



29.0195, 33.4172, 80.5246



14.7202, 16.3015, 18.0572



21.9057, 34.3944, 36.3334



1.6419, 2.5509, 2.8066



# Inverse Universe

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



34.9320, 19.2218, 7.5018



41.7184, 21.5842, 4.0399



38.9289, 28.2072, 5.7770



14.4551, 14.3992, 15.3307



18.6385, 9.5896, 1.7255

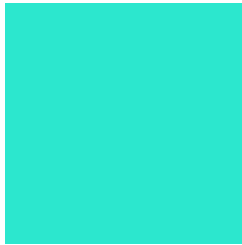


1.4026, 0.7188, 0.2606



# Previews

## White Background



This preview shows how the XYZ color 40.7552, 62.1435, 68.2394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

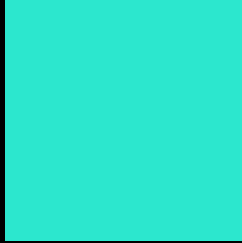
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7552, 62.1435, 68.2394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

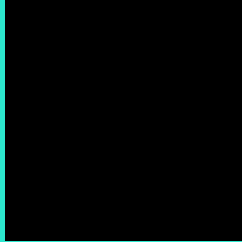
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

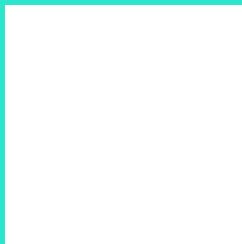
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.7552, 62.1435, 68.2394

## Background



This preview shows how black text looks on a background with the XYZ color 40.7552, 62.1435, 68.2394.



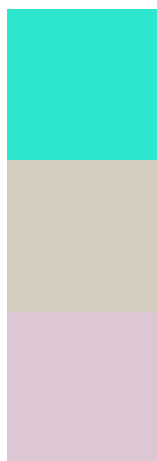
This preview shows how white text looks on a background with the XYZ color 40.7552, 62.1435,



# 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

40.7552, 62.1435, 68.2394

### Protanopia

58.1482, 60.9444, 57.9889

### Deuteranopia

62.2525, 61.0231, 71.4484



## Tritanopia

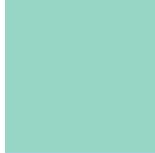
46.1980, 62.3021, 95.1786

# Trichromacy



## Original Color

40.7552, 62.1435, 68.2394



## Protanomaly

46.7729, 58.6580, 61.0815



## Deuteranomaly

48.8318, 58.4098, 69.6733



## Tritanomaly

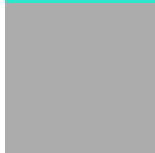
44.0129, 62.2241, 84.5536

# Monochromacy



## Original Color

40.7552, 62.1435, 68.2394



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.1791, 45.9606, 52.3118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7552, 62.1435, 68.2394 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(44, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(44, 231, 206)  
}
```

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(44, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 231, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7552, 62.1435, 68.2394 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(44, 231, 206) }
```



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

```
.border{ border-color:rgb(44, 231, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 231, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(44, 231,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7552, 62.1435, 68.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 231, 206) }
```

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

```
.background{ background-color: rgb(44, 231,  
206) }
```

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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