

# Converting Colors

XYZ(41.7126, 54.6680, 69.9402)

Have a look what the booklet for  
XYZ(41.7126, 54.6680, 69.9402)  
contains.

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# Color

**XYZ(41.7342, 54.7364,  
69.9936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D3D3
RGB	112, 211, 211
RGB Percent	44%, 83%, 83%
CMY	0.5608, 0.1725, 0.1725
CMYK	0.47, 0.00, 0.00, 0.17
HSL	180°, 53%, 63%
HSV	180°, 47%, 83%
XYZ	41.7342, 54.7364, 69.9936
YIQ	181.3990, -59.0040, -20.9880

# Conversions

## Conversions Part 2

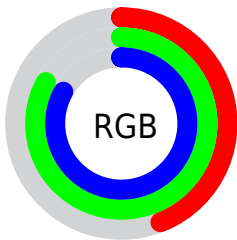
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	112, 162, 211
Decimal	7394259
CIE Lab	78.89, -28.97, -9.01
CIE LCh	79, 30.340, 197.269
Yxy	54.7364, 0.2507, 0.3288
Android (android.graphics.Color)	4285584339 (0xFF70D3D3)
YUV	181.3990, 14.5933, -60.8629
Hunter-Lab	73.9841, -28.7807, -4.3033

# Details

The XYZ color **41.7342, 54.7364, 69.9936** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5846, 26.6087, 18.5915**, and the grayscale version is **44.0846, 46.3805, 50.5083**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **19.3395, 26.9151, 36.0741** is the 20% darker color. If you saturate the color by 10%, you get **39.3581, 53.5127, 69.8833**, and if you desaturate by 10%, it is **44.7426, 56.2886, 70.1359**.

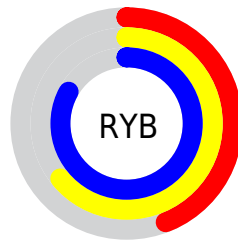
# Distribution



Red (44%)

Green (83%)

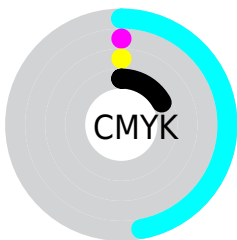
Blue (83%)



Red (44%)

Yellow (64%)

Blue (83%)

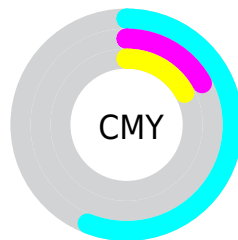


Cyan (47%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (56%)

Magenta (17%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7342, 54.7364, 69.9936 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 41.7342, 54.7364, 69.9936 by changing the saturation by 10% instead.





 41.7342, 54.7364,  
69.9936


 41.7342, 54.7364,  
69.9936


344.3903,  
404.9119, 479.3161


 29.0834, 39.1907,  
51.0445


 77.0649, 97.1546,  
120.8807

 19.2885, 26.9081,  
35.8671


 100.4755,  
124.7960, 153.6557

 11.9842, 17.5042,  
24.0427


 128.2034,  
157.2380, 191.8766

 6.8050, 10.5946,  
15.1528

160.6140,  
194.8651, 235.9617

 3.3857, 5.7950,  
8.7789

198.0727,  
238.0616, 286.3297

 1.3609, 2.7208,  
4.5024

240.9447,

 0.2281, 0.9878,

287.2120, 343.3990

1.9048

289.5954,  
342.7006, 407.5883

■ 0.0000, 0.0000,  
0.4958

■ 0.0000, 0.0000,  
0.0000

■ 41.7342, 54.7364,  
69.9936

■ 41.7342, 54.7364,  
69.9936

■ 39.3581, 53.5127,  
69.8833

■ 44.7426, 56.2886,  
70.1359

■ 37.5647, 52.5883,  
69.7991


■ 48.4188, 58.1837,  
70.3082


■ 36.3054, 51.9390,  
69.7399


■ 52.8012, 60.4429,  
70.5136

■ 35.5211, 51.5347,  
69.7029


■ 57.9240, 63.0838,  
70.7536


 35.1343, 51.3354,  
69.6845


 63.8194, 66.1230,  
71.0298

 35.0529, 51.2934,  
69.6806

 70.5174, 69.5759,  
71.3435

 76.2936, 72.5537,  
71.6141

 76.2936, 72.5537,  
71.6144

 76.2937, 72.5537,  
71.6147

# Harmonies

## Analogous

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



41.5297, 54.7364, 52.5862



41.7342, 54.7364, 69.9936



44.5580, 54.7364, 87.4229

# Triad

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



41.7342, 54.7364, 69.9936



61.0015, 54.7364, 85.0479



54.6186, 54.7364, 32.7539

# Complementary

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



41.7342, 54.7364, 69.9936



35.5846, 26.6087, 18.5915

# 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.



60.2835, 54.7364, 38.4099



41.7342, 54.7364, 69.9936



64.1552, 54.7364, 67.2084

# Square

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



41.7342, 54.7364, 69.9936



55.5385, 54.7364, 97.1996



63.8827, 54.7364, 50.2874



48.6635, 54.7364, 33.2119



# Rectangle

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



41.7342, 54.7364, 69.9936



47.6787, 54.7364, 95.7100



63.8827, 54.7364, 50.2874



56.6284, 54.7364, 33.9491

# Sweetspot

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



41.7358, 54.7385, 69.9949



83.1136, 93.8466, 108.3408



33.1145, 51.3145, 23.4898



17.4406, 19.9070, 23.1730



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.



41.7358, 54.7385, 69.9949



60.5171, 82.1977, 107.2814



31.5655, 34.3974, 66.6060



12.1584, 13.4071, 15.1906



21.1536, 30.9544, 42.0507



1.1828, 1.7308, 2.3512



# Inverse Universe

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



35.5846, 26.6087, 18.5915



49.9922, 34.0669, 19.3292



42.3353, 40.1103, 20.8412



11.8088, 11.8083, 12.2689



16.2124, 8.3578, 0.7588

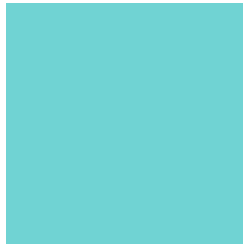


0.9065, 0.4673, 0.0424



# Previews

## White Background



This preview shows how the XYZ color 41.7342, 54.7364, 69.9936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

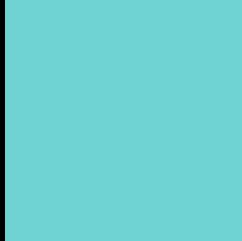
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7342, 54.7364, 69.9936 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

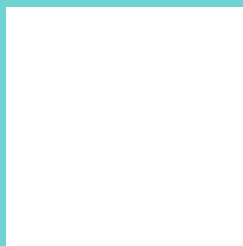
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.7342, 54.7364, 69.9936**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7342, 54.7364, 69.9936.



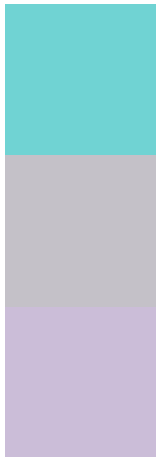
This preview shows how white text looks on a background with the XYZ color 41.7342, 54.7364,



# 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

41.7342, 54.7364, 69.9936

### Protanopia

52.2602, 54.0458, 62.3211

### Deuteranopia

55.2209, 54.0496, 72.4879



## Tritanopia

43.8640, 54.8738, 80.2313

# Trichromacy



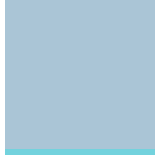
## Original Color

41.7342, 54.7364, 69.9936



## Protanomaly

47.0704, 53.6675, 65.0047



## Deuteranomaly

48.6814, 53.3336, 71.3470



## Tritanomaly

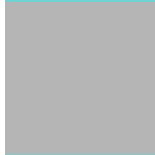
43.1680, 54.9585, 76.7395

# Monochromacy



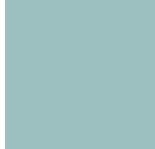
## Original Color

41.7342, 54.7364, 69.9936



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

42.0744, 48.5730, 57.0271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7342, 54.7364, 69.9936 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(112, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(112, 211, 211)  
}
```

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(112, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 211, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7342, 54.7364, 69.9936 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(112, 211, 211) }
```



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

```
.border{ border-color:rgb(112, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(112, 211,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7342, 54.7364, 69.9936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 211, 211) }
```

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

```
.background{ background-color: rgb(112,  
211, 211) }
```

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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