

# Converting Colors

XYZ(41.7088, 67.6399, 56.5574)

Have a look what the booklet for  
XYZ(41.7088, 67.6399, 56.5574)  
contains.

<b>XYZ(41.7280, 67.6354, 56.7546)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.7280, 67.6354,  
56.7546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30F2B9
RGB	48, 242, 185
RGB Percent	19%, 95%, 73%
CMY	0.8117, 0.0510, 0.2745
CMYK	0.80, 0.00, 0.24, 0.05
HSL	162°, 88%, 57%
HSV	162°, 80%, 95%
XYZ	41.7280, 67.6354, 56.7546
YIQ	177.4960, -97.3270, -58.8550

# Conversions

## Conversions Part 2

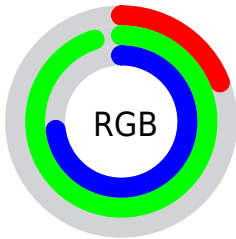
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 162, 242
Decimal	3207865
CIELab	85.82, -58.88, 14.60
CIELCh	86, 60.665, 166.073
Yxy	67.6354, 0.2512, 0.4072
Android (android.graphics.Color)	4281397945 (0xFF30F2B9)
YUV	177.4960, 3.6995, -113.5680
Hunter-Lab	82.2407, -53.3525, 16.6523

# Details

The XYZ color **41.7280, 67.6354, 56.7546** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **40.2270, 22.0128, 15.4963**, and the grayscale version is **42.0711, 44.2620, 48.2014**.

A 20% lighter version of the original color is **60.2414, 82.3065, 95.9308**, and **21.5138, 36.3639, 27.7148** is the 20% darker color. If you saturate the color by 10%, you get **40.1504, 66.9084, 52.8607**, and if you desaturate by 10%, it is **43.9684, 68.7032, 60.8785**.

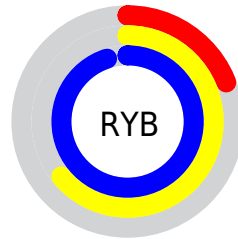
# Distribution



Red (19%)

Green (95%)

Blue (73%)



Red (19%)

Yellow (64%)

Blue (95%)

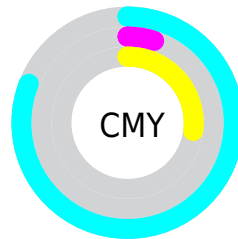


Cyan (80%)

Magenta (0%)

Yellow (24%)

Black (5%)



Cyan (81%)

Magenta (5%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7280, 67.6354, 56.7546 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 41.7280, 67.6354, 56.7546 by changing the saturation by 10% instead.





 41.7280, 67.6354,  
56.7546


 41.7280, 67.6354,  
56.7546


344.3650,  
452.2031, 429.9971


 29.0785, 49.6012,  
40.4002


 77.0555, 115.8304,  
101.6038


 19.2848, 35.0966,  
27.5346


 100.4644,  
146.7600, 130.9357

 11.9815, 23.7373,  
17.7391


 128.1903,  
182.7568, 165.4305

 6.8032, 15.1389,  
10.5954

 160.5988,  
224.2052, 205.5067

 3.3846, 8.9169,  
5.6847

198.0552,  
271.4897, 251.5830

 1.3602, 4.6870,  
2.5887

240.9247,

 0.2276, 2.0648,

324.9945, 304.0778

0.8866

289.5729,  
385.1042, 363.4096

■ 0.0000, 0.6447,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.7280, 67.6354,  
56.7546

■ 41.7280, 67.6354,  
56.7546

■ 40.1504, 66.9084,  
52.8607


■ 43.9684, 68.7032,  
60.8785


■ 39.0940, 66.4429,  
49.2401


■ 46.9553, 70.1496,  
65.2346


■ 50.7653, 72.0160,  
69.8308


■ 55.4640, 74.3359,  
74.6727

 61.1100, 77.1397,  
79.7657

 67.7571, 80.4549,  
85.1150

 75.4546, 84.3069,  
90.7252

 84.2487, 88.7195,  
96.6011

 90.0921, 91.6061,  
102.5557

# Harmonies

## Analogous

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



46.9343, 67.6354, 32.3628



41.7280, 67.6354, 56.7546



41.9220, 67.6354, 96.8668

# Triad

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



41.7280, 67.6354, 56.7546



71.9518, 67.6354, 174.0574



84.6084, 67.6354, 31.2081

# Complementary

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



41.7280, 67.6354, 56.7546



40.2270, 22.0128, 15.4963

# 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.



93.4531, 67.6354, 54.4645



41.7280, 67.6354, 56.7546



85.4591, 67.6354, 140.3171

# Square

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



41.7280, 67.6354, 56.7546



58.0806, 67.6354, 175.3738



93.7851, 67.6354, 93.5887



70.9171, 67.6354, 21.6183



# Rectangle

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



41.7280, 67.6354, 56.7546



45.0570, 67.6354, 128.3624



93.7851, 67.6354, 93.5887



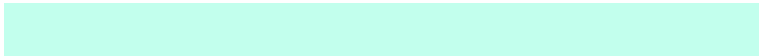
88.3281, 67.6354, 37.2172

# Sweetspot

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



41.7298, 67.6381, 56.7562



73.2454, 89.0783, 93.4675



38.2556, 66.7970, 13.6742



15.1113, 18.7841, 19.5467



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.



41.7298, 67.6381, 56.7562



44.4422, 75.0076, 56.9735



38.6514, 49.8484, 91.5920



16.0379, 17.8452, 19.2225



21.0635, 35.7174, 26.7810



1.7955, 2.9887, 2.4556



# Inverse Universe

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



40.2270, 22.0128, 15.4963



42.8787, 22.0926, 10.0130



40.5457, 25.8768, 5.6551



15.9639, 15.8353, 17.3659



20.3361, 10.4069, 4.4205

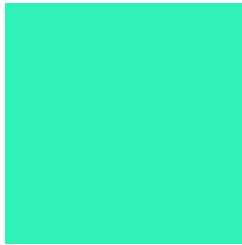


1.7337, 0.8825, 0.5884



# Previews

## White Background



This preview shows how the XYZ color 41.7280, 67.6354, 56.7546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

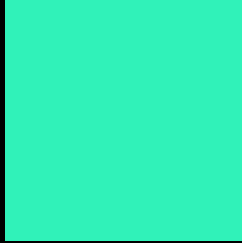
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7280, 67.6354, 56.7546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

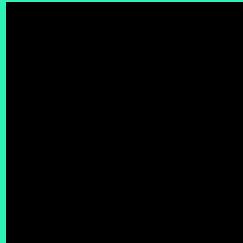
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.7280, 67.6354, 56.7546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7280, 67.6354, 56.7546.



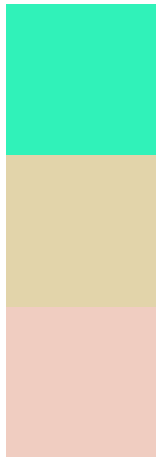
This preview shows how white text looks on a background with the XYZ color 41.7280, 67.6354,



# 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

41.7280, 67.6354, 56.7546

### Protanopia

62.1632, 66.1580, 47.5236

### Deuteranopia

67.3921, 66.0382, 59.6468



## Tritanopia

50.7341, 67.3808, 102.4273

# Trichromacy



## Original Color

41.7280, 67.6354, 56.7546



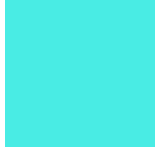
## Protanomaly

48.8235, 63.4476, 50.2308



## Deuteranomaly

50.9432, 62.4066, 58.0759



## Tritanomaly

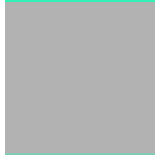
46.7467, 67.0088, 83.8690

# Monochromacy



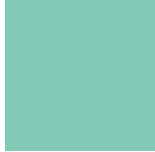
## Original Color

41.7280, 67.6354, 56.7546



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

38.5872, 49.9348, 51.3207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7280, 67.6354, 56.7546 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(48, 242, 185)` looks like.

```
.text, #text, p{  
    color:rgb(48, 242, 185)  
}
```

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(48, 242, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 242, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7280, 67.6354, 56.7546 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(48, 242, 185) }
```



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

```
.border{ border-color:rgb(48, 242, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 242, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 242, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 242, 185);  
box-shadow:4px 4px 4px 4px rgb(48, 242,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7280, 67.6354, 56.7546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 242, 185) }
```

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

```
.background{ background-color: rgb(48, 242,  
185) }
```

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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