

# Converting Colors

XYZ(41.6952, 68.1813, 56.1040)

Have a look what the booklet for  
XYZ(41.6952, 68.1813, 56.1040)  
contains.

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# Color

**XYZ(41.6572, 68.0541,  
56.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AF3B8
RGB	42, 243, 184
RGB Percent	16%, 95%, 72%
CMY	0.8352, 0.0470, 0.2784
CMYK	0.83, 0.00, 0.24, 0.05
HSL	162°, 89%, 56%
HSV	162°, 83%, 95%
XYZ	41.6572, 68.0541, 56.2876
YIQ	176.1750, -100.8570, -60.9610

# Conversions

## Conversions Part 2

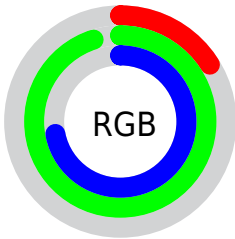
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 160, 243
Decimal	2814904
CIE <sub>Lab</sub>	86.03, -60.00, 15.41
CIE <sub>LCh</sub>	86, 61.947, 165.600
Yxy	68.0541, 0.2509, 0.4100
Android (android.graphics.Color)	4281004984 (0xFF2AF3B8)
YUV	176.1750, 3.8577, -117.6715
Hunter-Lab	82.4949, -54.2295, 17.2919

# Details

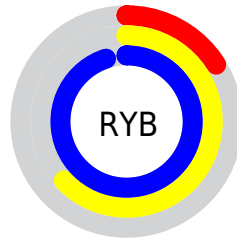
The XYZ color **41.6572, 68.0541, 56.2876** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **40.1415, 21.6520, 14.3791**, and the grayscale version is **41.3791, 43.5340, 47.4085**.

A 20% lighter version of the original color is **59.8004, 82.0964, 95.1324**, and **21.6556, 36.7565, 27.4261** is the 20% darker color. If you saturate the color by 10%, you get **40.2186, 67.3984, 52.4158**, and if you desaturate by 10%, it is **43.7385, 69.0402, 60.3893**.

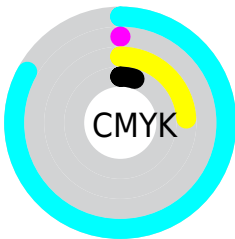
# Distribution



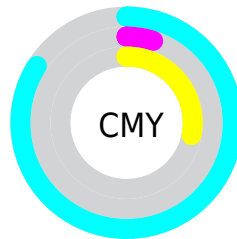
- Red (16%)
- Green (95%)
- Blue (72%)



- Red (16%)
- Yellow (63%)
- Blue (95%)



- Cyan (83%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)




- Cyan (84%)
- Magenta (5%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6572, 68.0541, 56.2876 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 41.6572, 68.0541, 56.2876 by changing the saturation by 10% instead.





 41.6572, 68.0541,  
56.2876


 41.6572, 68.0541,  
56.2876


344.0758,  
453.6877, 428.1932


 29.0229, 49.9417,  
40.0280


 76.9490, 116.4295,  
100.9149

 19.2425, 35.3671,  
27.2464


 100.3372,  
147.4614, 130.1198


 11.9507, 23.9458,  
17.5243


 128.0407,  
183.5686, 164.4768

 6.7821, 15.2934,  
10.4431

 160.4249,  
225.1354, 204.4045

 3.3713, 9.0256,  
5.5843

 197.8551,  
272.5464, 250.3214

 1.3530, 4.7579,  
2.5293

240.6968,

 0.2224, 2.1059,

326.1858, 302.6462

0.8556

289.3152,  
386.4381, 361.7972

■ 0.0000, 0.6679,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.6572, 68.0541,  
56.2876

■ 41.6572, 68.0541,  
56.2876

■ 40.2186, 67.3984,  
52.4158


■ 43.7385, 69.0402,  
60.3893


■ 39.4664, 67.0694,  
49.7290


■ 46.5522, 70.3977,  
64.7235


■ 50.1787, 72.1697,  
69.2981


■ 54.6864, 74.3914,  
74.1191

 60.1360, 77.0942,  
79.1920

 66.5831, 80.3065,  
84.5219

 74.0784, 84.0545,  
90.1138

 82.6695, 88.3626,  
95.9723

 90.2666, 92.1534,  
102.0022

# Harmonies

## Analogous

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



47.0544, 68.0541, 31.7166



41.6572, 68.0541, 56.2876



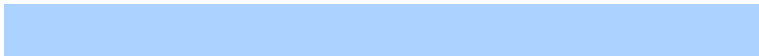
41.7678, 68.0541, 97.2063

# Triad

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



41.6572, 68.0541, 56.2876



72.3156, 68.0541, 177.9548



85.7533, 68.0541, 31.0625

# Complementary

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



41.6572, 68.0541, 56.2876



40.1415, 21.6520, 14.3791

# 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.



94.7417, 68.0541, 54.9792



41.6572, 68.0541, 56.2876



86.2428, 68.0541, 143.4687

# Square

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



41.6572, 68.0541, 56.2876



58.1215, 68.0541, 178.7170



94.9330, 68.0541, 95.3205



71.7215, 68.0541, 21.2001



# Rectangle

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



41.6572, 68.0541, 56.2876



44.9075, 68.0541, 129.6456



94.9330, 68.0541, 95.3205



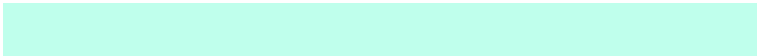
89.5497, 68.0541, 37.2343

# Sweetspot

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



41.6590, 68.0568, 56.2892



72.4907, 88.7016, 92.8754



37.9846, 67.1137, 13.1439



14.9662, 18.7117, 19.4289



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.



41.6590, 68.0568, 56.2892



44.1214, 74.8682, 55.7838



38.4436, 49.5839, 92.3415



16.7773, 18.6700, 20.1114



21.7216, 36.8335, 27.6174



1.9539, 3.2552, 2.6630



# Inverse Universe

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



40.1415, 21.6520, 14.3791



42.5952, 21.8464, 8.9297



40.4148, 25.2890, 4.9428



16.6992, 16.5625, 18.1627



20.9673, 10.7303, 4.5360

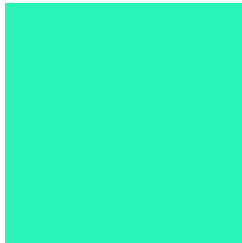


1.8858, 0.9603, 0.6252



# Previews

## White Background



This preview shows how the XYZ color 41.6572, 68.0541, 56.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

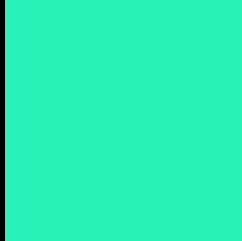
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6572, 68.0541, 56.2876 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

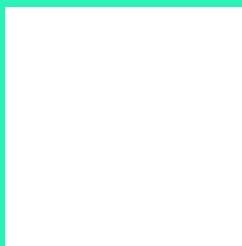
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.6572, 68.0541, 56.2876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6572, 68.0541, 56.2876.



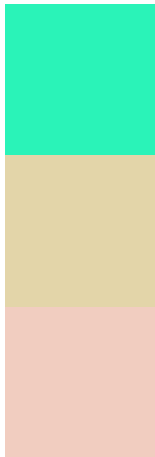
This preview shows how white text looks on a background with the XYZ color 41.6572, 68.0541,



# 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

41.6572, 68.0541, 56.2876

### Protanopia

62.6342, 66.7840, 47.1255

### Deuteranopia

67.6214, 66.1692, 59.0771



## Tritanopia

50.9902, 67.9159, 103.3501

# Trichromacy



## Original Color

41.6572, 68.0541, 56.2876



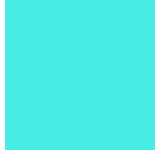
## Protanomaly

48.7928, 63.8409, 49.7953



## Deuteranomaly

50.8790, 62.7722, 57.5787



## Tritanomaly

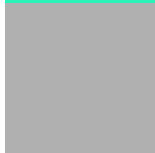
46.8136, 67.4719, 83.9548

# Monochromacy



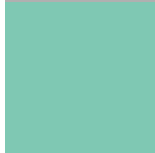
## Original Color

41.6572, 68.0541, 56.2876



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

37.5434, 49.0753, 50.1416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6572, 68.0541, 56.2876 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(42, 243, 184)` looks like.

```
.text, #text, p{  
    color:rgb(42, 243, 184)  
}
```

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(42, 243, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 243, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6572, 68.0541, 56.2876 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(42, 243, 184) }
```



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

```
.border{ border-color:rgb(42, 243, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 243, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 243, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 243, 184);  
box-shadow:4px 4px 4px 4px rgb(42, 243,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6572, 68.0541, 56.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 243, 184) }
```

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

```
.background{ background-color: rgb(42, 243,  
184) }
```

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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