

# Converting Colors

XYZ(40.6343, 54.2083, 50.2953)

Have a look what the booklet for  
XYZ(40.6343, 54.2083, 50.2953)  
contains.

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# Color

**XYZ(40.7553, 54.2941,  
50.4513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85D2B2
RGB	133, 210, 178
RGB Percent	52%, 82%, 70%
CMY	0.4784, 0.1765, 0.3020
CMYK	0.37, 0.00, 0.15, 0.18
HSL	155°, 46%, 67%
HSV	155°, 37%, 82%
XYZ	40.7553, 54.2941, 50.4513
YIQ	183.3290, -35.6200, -26.2760

# Conversions

## Conversions Part 2

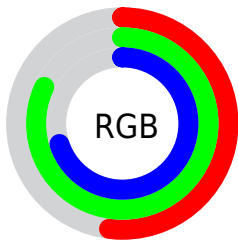
Format	Color
<a href="#">RYB</a>	<a href="#">133, 182, 210</a>
Decimal	<a href="#">8770226</a>
CIELab	<a href="#">78.63, -30.86, 8.40</a>
CIELCh	<a href="#">79, 31.984, 164.779</a>
Yxy	<a href="#">54.2941, 0.2801, 0.3732</a>
Android (android.graphics.Color)	<a href="#">4286960306 (0xFF85D2B2)</a>
YUV	<a href="#">183.3290, -2.6272, -44.1385</a>
Hunter-Lab	<a href="#">73.6845, -30.2186, 10.9837</a>

# Details

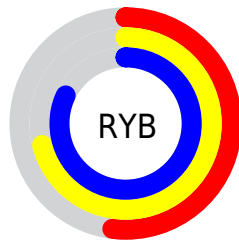
The XYZ color **40.7553, 54.2941, 50.4513** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7592, 33.1945, 39.8055**, and the grayscale version is **45.2195, 47.5744, 51.8086**.

A 20% lighter version of the original color is **71.5975, 88.2793, 91.1079**, and **18.6475, 26.5856, 23.5508** is the 20% darker color. If you saturate the color by 10%, you get **36.9170, 52.4149, 45.8425**, and if you desaturate by 10%, it is **45.3151, 56.5417, 55.3873**.

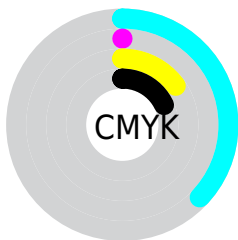
# Distribution



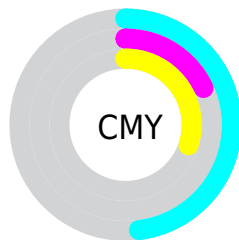
- Red (52%)
- Green (82%)
- Blue (70%)



- Red (52%)
- Yellow (71%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)




- Cyan (48%)
- Magenta (18%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7553, 54.2941, 50.4513 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 40.7553, 54.2941, 50.4513 by changing the saturation by 10% instead.





 40.7553, 54.2941,  
50.4513


 40.7553, 54.2941,  
50.4513


340.3769,  
403.2305, 405.2137


 28.3148, 38.8368,  
35.3984


 75.5893, 96.5059,  
92.2464

 18.7047, 26.6328,  
23.6839


 98.7136, 124.0293,  
119.8256

 11.5599, 17.2977,  
14.8893


 126.1297,  
156.3435, 152.4175

 6.5148, 10.4469,  
8.5960

158.2032,  
193.8329, 190.4404

 3.2042, 5.6963,  
4.3854

195.2992,  
236.8819, 234.3129

 1.2626, 2.6613,  
1.8391

237.7833,

 0.1550, 0.9576,

285.8749, 284.4536

0.4535

286.0208,  
341.1963, 341.2810

■ 0.0000, 0.0000,  
0.0000

■ 40.7553, 54.2941,  
50.4513

■ 40.7553, 54.2941,  
50.4513

■ 36.9170, 52.4149,  
45.8425

■ 45.3151, 56.5417,  
55.3873

■ 33.7551, 50.8766,  
41.5498

■ 50.6295, 59.1703,  
60.6539

■ 31.2260, 49.6584,  
37.5671


■ 56.7346, 62.1999,  
66.2588


■ 29.2790, 48.7341,  
33.8860


■ 63.6631, 65.6471,  
72.2087


■ 27.8549, 48.0734,  
30.4981


■ 71.4455, 69.5277,  
78.5097


 26.8776, 47.6373,  
27.3937

 78.6224, 73.0891,  
85.0984

 26.6056, 47.5184,  
26.4188

 79.8818, 73.5929,  
91.7307

 81.2036, 74.1216,  
98.6910

 82.3376, 74.5752,  
104.6625

# Harmonies

## Analogous

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



43.5178, 54.2941, 37.7137



40.7553, 54.2941, 50.4513



40.7346, 54.2941, 68.4367

# Triad

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



40.7553, 54.2941, 50.4513



54.7640, 54.2941, 99.5073



60.7102, 54.2941, 37.8542

# Complementary

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



40.7553, 54.2941, 50.4513



41.7592, 33.1945, 39.8055

# 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.



64.2551, 54.2941, 50.6844



40.7553, 54.2941, 50.4513



60.6366, 54.2941, 87.3881

# Square

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



40.7553, 54.2941, 50.4513



48.4830, 54.2941, 99.4093



64.2271, 54.2941, 68.7223



54.8580, 54.2941, 31.5158



# Rectangle

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



40.7553, 54.2941, 50.4513



42.2626, 54.2941, 81.2484



64.2271, 54.2941, 68.7223



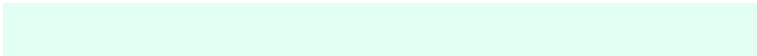
62.2316, 54.2941, 41.4207

# Sweetspot

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



40.7568, 54.2963, 50.4525



83.6522, 94.3345, 98.8648



42.8163, 55.7973, 30.7042



17.6276, 20.0538, 20.9062



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

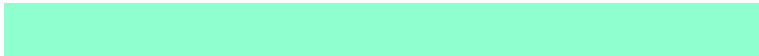


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7568, 54.2963, 50.4525



58.4838, 81.9141, 72.6417



42.8014, 52.6298, 68.8781



11.9419, 13.3205, 14.0504



16.2795, 29.0047, 16.3836



0.9493, 1.6374, 1.1217



# Inverse Universe

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



41.7592, 33.1945, 39.8055



60.2646, 44.5378, 53.8099



40.1066, 33.9824, 26.6363



12.0096, 11.8886, 13.3263



17.3162, 8.7993, 6.5712



1.0073, 0.5076, 0.5734



# Previews

## White Background



This preview shows how the XYZ color 40.7553, 54.2941, 50.4513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

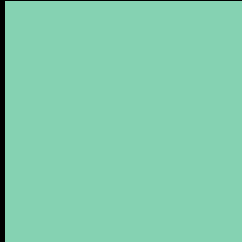
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7553, 54.2941, 50.4513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

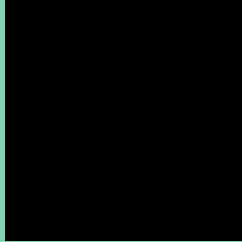
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.7553, 54.2941, 50.4513

## Background



This preview shows how black text looks on a background with the XYZ color 40.7553, 54.2941, 50.4513.



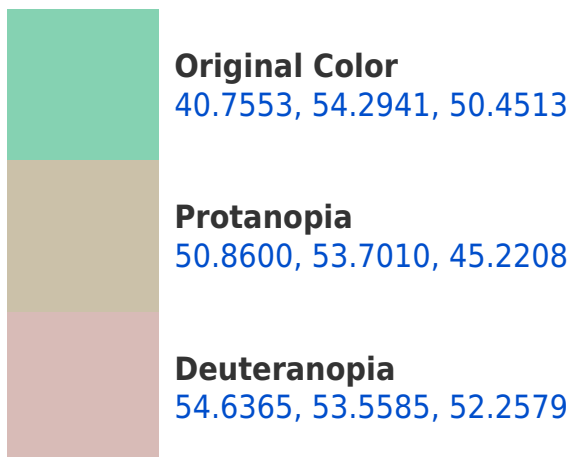
This preview shows how white text looks on a background with the XYZ color 40.7553, 54.2941,



# 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





## Tritanopia

45.8388, 54.1927, 75.7544

# Trichromacy



## Original Color

40.7553, 54.2941, 50.4513



## Protanomaly

46.2299, 53.2904, 46.8792



## Deuteranomaly

48.1053, 52.8055, 51.3731



## Tritanomaly

43.7382, 54.0394, 65.8830

# Monochromacy



## Original Color

40.7553, 54.2941, 50.4513



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.9275, 49.4755, 51.0033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7553, 54.2941, 50.4513 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(133, 210, 178)` looks like.

```
.text, #text, p{  
    color:rgb(133, 210, 178)  
}
```

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(133, 210, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 210, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7553, 54.2941, 50.4513 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(133, 210, 178) }
```



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

```
.border{ border-color:rgb(133, 210, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 210, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 210, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 210, 178);  
box-shadow:4px 4px 4px 4px rgb(133, 210,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7553, 54.2941, 50.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 210, 178) }
```

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

```
.background{ background-color: rgb(133,  
210, 178) }
```

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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