

# Converting Colors

XYZ(41.7372, 53.7523, 37.3183)

Have a look what the booklet for  
XYZ(41.7372, 53.7523, 37.3183)  
contains.

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# Color

**XYZ(41.7578, 53.6461,  
37.4320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ECE97
RGB	158, 206, 151
RGB Percent	62%, 81%, 59%
CMY	0.3804, 0.1921, 0.4078
CMYK	0.23, 0.00, 0.27, 0.19
HSL	112°, 36%, 70%
HSV	112°, 27%, 81%
XYZ	41.7578, 53.6461, 37.4320
YIQ	185.3780, -10.9530, -27.2810

# Conversions

## Conversions Part 2

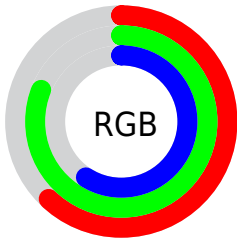
Format	Color
<a href="#">RYB</a>	<a href="#">151, 206, 199</a>
Decimal	<a href="#">10407575</a>
CIELab	<a href="#">78.25, -26.17, 22.40</a>
CIELCh	<a href="#">78, 34.446, 139.432</a>
Yxy	<a href="#">53.6461, 0.3144, 0.4039</a>
Android (android.graphics.Color)	<a href="#">4288597655 (0xFF9ECE97)</a>
YUV	<a href="#">185.3780, -16.9484, -24.0105</a>
Hunter-Lab	<a href="#">73.2435, -26.4092, 20.9696</a>

# Details

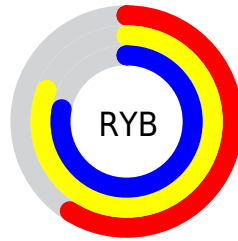
The XYZ color **41.7578, 53.6461, 37.4320** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.7626, 38.7331, 63.4596**, and the grayscale version is **46.4217, 48.8392, 53.1859**.

A 20% lighter version of the original color is **74.2200, 90.0739, 71.2318**, and **19.1926, 26.0566, 16.0745** is the 20% darker color. If you saturate the color by 10%, you get **36.9476, 51.3446, 29.2238**, and if you desaturate by 10%, it is **47.3806, 56.3358, 47.2064**.

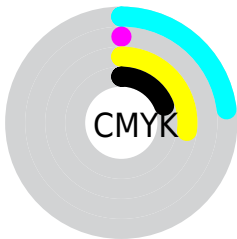
# Distribution



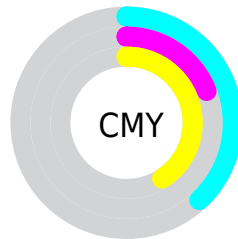
- Red (62%)
- Green (81%)
- Blue (59%)



- Red (59%)
- Yellow (81%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)



- Cyan (38%)
- Magenta (19%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7578, 53.6461, 37.4320 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 41.7578, 53.6461, 37.4320 by changing the saturation by 10% instead.





 41.7578, 53.6461,  
37.4320


 41.7578, 53.6461,  
37.4320


344.4867,  
400.7590, 350.4019

 29.1020, 38.3188,  
25.2437


 77.1004, 95.5544,  
72.4304

 19.3026, 26.2302,  
16.0381


 100.5179,  
122.9042, 96.0777

 11.9945, 16.9959,  
9.3965

128.2533,  
155.0303, 124.3817

 6.8121, 10.2316,  
4.9003

160.6720,  
192.3171, 157.7610

 3.3901, 5.5528,  
2.1312

198.1393,  
235.1490, 196.6341

 1.3633, 2.5751,  
0.6342

241.0206,

 0.2298, 0.9142,

283.9103, 241.4197

0.0000

289.6813,  
338.9856, 292.5361

■ 0.0000, 0.0000,  
0.0000

■ 41.7578, 53.6461,  
37.4320

■ 41.7578, 53.6461,  
37.4320

■ 36.9476, 51.3446,  
29.2238

■ 47.3806, 56.3358,  
47.2064

■ 32.9082, 49.4069,  
22.4972

■ 53.8469, 59.4234,  
58.6189

■ 29.6003, 47.8163,  
17.1648

■ 61.1912, 62.9267,  
71.7408

■ 26.9798, 46.5519,  
13.1288

■ 69.4446, 66.8603,  
86.6387

■ 24.9972, 45.5909,  
10.2787

■ 78.6370, 71.2382,  
103.3751

■ 23.5965, 44.9071,  
8.4856

■ 81.3624, 72.6248,  
104.3375

■ 22.7099, 44.4691,  
7.5817

■ 22.5039, 44.3672,  
7.3777

# Harmonies

## Analogous

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



46.7948, 53.6461, 29.9188



41.7578, 53.6461, 37.4320



39.2726, 53.6461, 51.8606

# Triad

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



41.7578, 53.6461, 37.4320



48.6472, 53.6461, 103.0622



64.2238, 53.6461, 46.9051

# Complementary

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



41.7578, 53.6461, 37.4320



45.7626, 38.7331, 63.4596

# 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.



64.8308, 53.6461, 65.4920



41.7578, 53.6461, 37.4320



55.4267, 53.6461, 100.9079

# Square

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



41.7578, 53.6461, 37.4320



43.0108, 53.6461, 91.4143



61.4893, 53.6461, 86.0510



59.8974, 53.6461, 34.4951



# Rectangle

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



41.7578, 53.6461, 37.4320



39.2351, 53.6461, 64.7124



61.4893, 53.6461, 86.0510



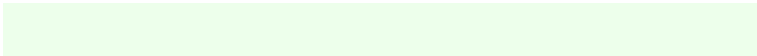
64.8832, 53.6461, 52.5334

# Sweetspot

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



41.7592, 53.6484, 37.4332



85.6882, 95.5333, 92.2181



51.3886, 56.0524, 37.3897



17.9863, 20.2789, 19.1106



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

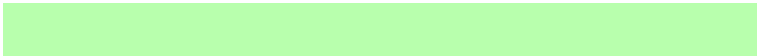


# Same Dimension

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



41.7592, 53.6484, 37.4332



63.0570, 84.7163, 52.7668



42.2021, 53.6710, 46.7481



11.1985, 12.6042, 11.9221



13.9020, 27.3421, 4.5448



0.7621, 1.4337, 0.2366



# Inverse Universe

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



45.7626, 38.7331, 63.4596



70.5928, 56.6043, 101.8128



45.3673, 38.7945, 51.4604



11.5416, 11.3285, 14.1487



18.4769, 8.7327, 36.6680



0.9934, 0.4712, 1.8935



# Previews

## White Background



This preview shows how the XYZ color 41.7578, 53.6461, 37.4320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

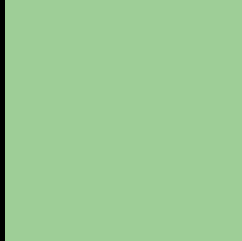
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7578, 53.6461, 37.4320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

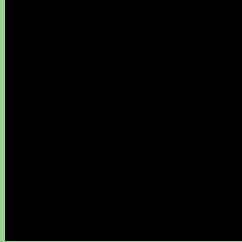
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.7578, 53.6461, 37.4320

## Background



This preview shows how black text looks on a background with the XYZ color 41.7578, 53.6461, 37.4320.



This preview shows how white text looks on a background with the XYZ color 41.7578, 53.6461,

37.4320.

# 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

41.7578, 53.6461, 37.4320

### Protanopia

49.9129, 53.4497, 34.4742

### Deuteranopia

54.0058, 52.9118, 38.3769



## Tritanopia

48.6939, 53.6782, 71.4128

# Trichromacy



## Original Color

41.7578, 53.6461, 37.4320

## Protanomaly

46.4468, 53.3136, 35.4463

## Deuteranomaly

48.7221, 52.7524, 38.1861

## Tritanomaly

45.8077, 53.5342, 57.2090

# Monochromacy



## Original Color

41.7578, 53.6461, 37.4320

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.2920, 50.2710, 46.9040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7578, 53.6461, 37.4320 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(158, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(158, 206, 151)  
}
```

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(158, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 206, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7578, 53.6461, 37.4320 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(158, 206, 151) }
```



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

```
.border{ border-color:rgb(158, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(158, 206,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7578, 53.6461, 37.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 206, 151) }
```

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

```
.background{ background-color: rgb(158,  
206, 151) }
```

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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