

Converting Colors

XYZ(40.6686, 53.6832, 36.8097)

Have a look what the booklet for
XYZ(40.6686, 53.6832, 36.8097)
contains.

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Color

**XYZ(40.7432, 53.8610,
36.6826)**

Conversions

Conversions Part 1

Format	Color
Hex	97D095
RGB	151, 208, 149
RGB Percent	59%, 82%, 58%
CMY	0.4078, 0.1843, 0.4157
CMYK	0.27, 0.00, 0.28, 0.18
HSL	118°, 39%, 70%
HSV	118°, 28%, 82%
XYZ	40.7432, 53.8610, 36.6826
YIQ	184.2310, -15.0330, -30.4330

Conversions

Conversions Part 2

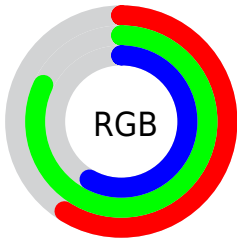
Format	Color
RYB	149, 208, 206
Decimal	9949333
CIELab	78.38, -29.81, 23.56
CIELCh	78, 37.998, 141.681
Yxy	53.8610, 0.3103, 0.4103
Android (android.graphics.Color)	4288139413 (0xFF97D095)
YUV	184.2310, -17.3689, -29.1436
Hunter-Lab	73.3901, -29.3366, 21.7381

Details

The XYZ color **40.7432, 53.8610, 36.6826** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.5886, 39.1724, 64.7302**, and the grayscale version is **45.7878, 48.1724, 52.4597**.

A 20% lighter version of the original color is **71.9931, 88.9536, 69.8752**, and **18.6328, 26.2610, 15.6421** is the 20% darker color. If you saturate the color by 10%, you get **35.8119, 51.4955, 28.5438**, and if you desaturate by 10%, it is **46.6096, 56.6775, 46.4156**.

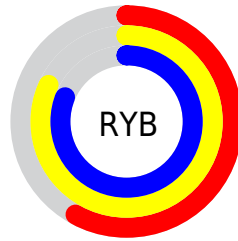
Distribution



Red (59%)

Green (82%)

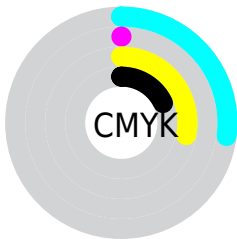
Blue (58%)



Red (58%)

Yellow (82%)

Blue (81%)

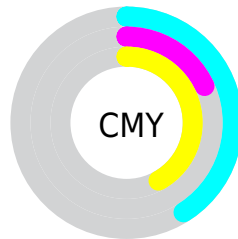


Cyan (27%)

Magenta (0%)

Yellow (28%)

Black (18%)



Cyan (41%)

Magenta (18%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7432, 53.8610, 36.6826 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 40.7432, 53.8610, 36.6826 by changing the saturation by 10% instead.

■ 40.7432, 53.8610,
36.6826

■ 40.7432, 53.8610,
36.6826

340.3271,
401.5797, 347.0615

■ 28.3053, 38.4905,
24.6680

■ 75.5711, 95.8701,
71.2652

■ 18.6975, 26.3636,
15.6131

■ 98.6917, 123.2776,
94.6703

■ 11.5546, 17.0959,
9.0994

126.1040,
155.4662, 122.7093

■ 6.5112, 10.3029,
4.7084

158.1733,
192.8203, 155.8007

■ 3.2019, 5.6002,
2.0215

195.2648,
235.7243, 194.3631

■ 1.2614, 2.6036,
0.5684

237.7441,

■ 0.1541, 0.9285,

284.5626, 238.8150

0.0000

285.9764,
339.7196, 289.5750

■ 0.0000, 0.0000,
0.0000

■ 40.7432, 53.8610,
36.6826

■ 40.7432, 53.8610,
36.6826

■ 35.8119, 51.4955,
28.5438

■ 46.6096, 56.6775,
46.4156

■ 31.7636, 49.5511,
21.9110

■ 53.4515, 59.9593,
57.8175

■ 28.5472, 48.0051,
16.6928

■ 61.3121, 63.7288,
70.9628

■ 26.1050, 46.8301,
12.7867

■ 70.2304, 68.0045,
85.9204

■ 24.3719, 45.9948,
10.0760

■ 80.2439, 72.8044,
102.7553

■ 23.2719, 45.4632,
8.4238

■ 81.8469, 73.5939,
104.4990

■ 22.7049, 45.1880,
7.6231

■ 22.6452, 45.1594,
7.5231

Harmonies

Analogous

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



46.0744, 53.8610, 28.1537



40.7432, 53.8610, 36.6826



38.2706, 53.8610, 52.9001

Triad

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



40.7432, 53.8610, 36.6826



49.1457, 53.8610, 109.4121



65.7139, 53.8610, 44.7394

Complementary

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



40.7432, 53.8610, 36.6826



47.5886, 39.1724, 64.7302

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.



66.7396, 53.8610, 64.7925



40.7432, 53.8610, 36.6826



56.6779, 53.8610, 105.7052

Square

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



40.7432, 53.8610, 36.6826



42.8040, 53.8610, 97.1439



63.2929, 53.8610, 87.9846



60.6128, 53.8610, 31.9575

Rectangle

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



40.7432, 53.8610, 36.6826



38.3911, 53.8610, 67.3628



63.2929, 53.8610, 87.9846



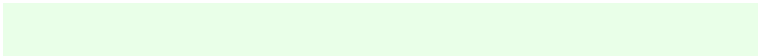
66.5653, 53.8610, 50.7147

Sweetspot

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



40.7446, 53.8633, 36.6838



83.8806, 94.6437, 90.2282



53.2829, 59.2691, 37.0664



17.5945, 20.0853, 18.7129



0.0000, 0.0000, 0.0000



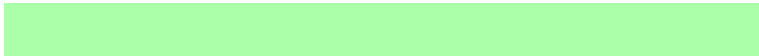
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7446, 53.8633, 36.6838



59.7022, 83.0430, 50.0747



42.7440, 54.6206, 49.1328



11.6928, 13.2251, 12.5485



14.1295, 28.1530, 4.6894



0.8033, 1.5810, 0.2628

Inverse Universe

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



47.5886, 39.1724, 64.7302



72.2756, 56.0433, 101.6158



45.1485, 38.2609, 48.9658



12.2696, 11.9878, 14.9109



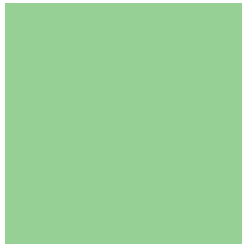
22.1179, 10.5825, 38.0694



1.2494, 0.5982, 2.1292

Previews

White Background



This preview shows how the XYZ color 40.7432, 53.8610, 36.6826 looks on a white background.

Color Contrast Check

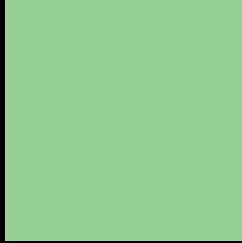
Large Text (above 18pt) WCAG AA × Fail

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 40.7432, 53.8610, 36.6826 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 40.7432, 53.8610, 36.6826

Background



This preview shows how black text looks on a background with the XYZ color 40.7432, 53.8610, 36.6826.

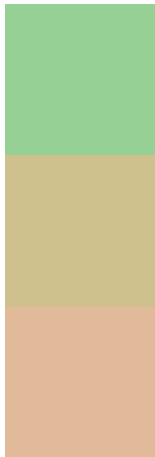


This preview shows how white text looks on a background with the XYZ color 40.7432, 53.8610,

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

40.7432, 53.8610, 36.6826

Protanopia

49.6846, 53.3583, 33.2717

Deuteranopia

54.4430, 53.4585, 38.0209



Tritanopia

47.7934, 53.5397, 72.1052

Trichromacy



Original Color

40.7432, 53.8610, 36.6826

Protanomaly

45.7984, 52.9973, 34.6037

Deuteranomaly

48.2480, 52.8563, 37.3651

Tritanomaly

44.8226, 53.3736, 57.2299

Monochromacy



Original Color

40.7432, 53.8610, 36.6826

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.4339, 49.8509, 45.8610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7432, 53.8610, 36.6826 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(151, 208, 149)` looks like.

```
.text, #text, p{  
    color:rgb(151, 208, 149)  
}
```

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(151, 208, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 208, 149) }
```

Border

The CSS property to change the border of an element to XYZ 40.7432, 53.8610, 36.6826 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(151, 208, 149) }
```


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

```
.border{ border-color:rgb(151, 208, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 208, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 208, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 208, 149);  
box-shadow:4px 4px 4px 4px rgb(151, 208,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7432, 53.8610, 36.6826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 208, 149) }
```

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

```
.background{ background-color: rgb(151,  
208, 149) }
```

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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