

Converting Colors

XYZ(47.2885, 65.5154, 40.2918)

Have a look what the booklet for
XYZ(47.2885, 65.5154, 40.2918)
contains.

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Color

**XYZ(47.3730, 65.7636,
40.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE699
RGB	154, 230, 153
RGB Percent	60%, 90%, 60%
CMY	0.3961, 0.0980, 0.4000
CMYK	0.33, 0.00, 0.33, 0.10
HSL	119°, 61%, 75%
HSV	119°, 33%, 90%
XYZ	47.3730, 65.7636, 40.3338
YIQ	198.4980, -20.5790, -40.0590

Conversions

Conversions Part 2

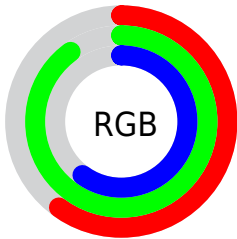
Format	Color
RYB	153, 230, 229
Decimal	10151577
CIELab	84.88, -38.38, 30.29
CIELCh	85, 48.889, 141.721
Yxy	65.7636, 0.3087, 0.4285
Android (android.graphics.Color)	4288341657 (0xFF9AE699)
YUV	198.4980, -22.4305, -39.0247
Hunter-Lab	81.0948, -37.6418, 27.2775

Details

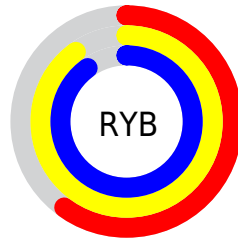
The XYZ color **47.3730, 65.7636, 40.3338** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.9903, 45.1557, 80.5259**, and the grayscale version is **54.1225, 56.9410, 62.0088**.

A 20% lighter version of the original color is **73.7235, 89.7757, 73.1173**, and **22.7405, 33.9210, 17.6608** is the 20% darker color. If you saturate the color by 10%, you get **41.7339, 63.0572, 31.0914**, and if you desaturate by 10%, it is **54.1988, 69.0433, 51.5458**.

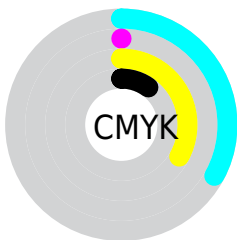
Distribution



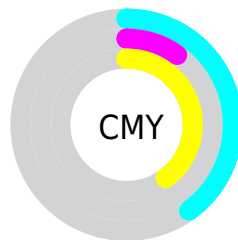
- Red (60%)
- Green (90%)
- Blue (60%)



- Red (60%)
- Yellow (90%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3730, 65.7636, 40.3338 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 47.3730, 65.7636, 40.3338 by changing the saturation by 10% instead.


 47.3730, 65.7636,
40.3338


 47.3730, 65.7636,
40.3338

366.9255,
445.5310, 363.1223

 33.5398, 48.0805,
27.4831


 85.4855, 113.1470,
76.9142

 22.7015, 33.8907,
17.7008


 110.4955,
143.6161, 101.4810

 14.4927, 22.8096,
10.5682


139.9618,
179.1159, 130.7902

 8.5481, 14.4530,
5.6668

174.2498,
220.0310, 165.2605

 4.5024, 8.4364,
2.5780

213.7248,
266.7456, 205.3103

 1.9901, 4.3754,
0.8811

258.7522,

 0.6284, 1.8857,

319.6442, 251.3582

0.0000

309.6973,
379.1112, 303.8227

0.0000, 0.5398,
0.0000

0.0000, 0.0000,
0.0000

47.3730, 65.7636,
40.3338

47.3730, 65.7636,
40.3338

41.7339, 63.0572,
31.0914

54.1988, 69.0433,
51.5458

37.2092, 60.8835,
23.7009

62.2682, 72.9176,
64.8274

33.7264, 59.2098,
18.0388

71.6406, 77.4170,
80.2770

31.2026, 57.9963,
13.9648

82.3700, 82.5674,
97.9853

■ 29.5422, 57.1972,
11.3168

■ 87.5881, 85.0763,
106.4127

■ 28.6299, 56.7573,
9.8982

■ 28.3355, 56.6155,
9.4345

Harmonies

Analogous

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



55.0235, 65.7636, 28.8826



47.3730, 65.7636, 40.3338



43.8772, 65.7636, 63.2575

Triad

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



47.3730, 65.7636, 40.3338



59.5191, 65.7636, 149.5230



84.2109, 65.7636, 51.5024

Complementary

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



47.3730, 65.7636, 40.3338



57.9903, 45.1557, 80.5259

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.



85.7786, 65.7636, 80.6572



47.3730, 65.7636, 40.3338



70.6385, 65.7636, 143.6260

Square

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



47.3730, 65.7636, 40.3338



50.3334, 65.7636, 130.2359



80.5614, 65.7636, 115.9051



76.4989, 65.7636, 33.8942

Rectangle

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



47.3730, 65.7636, 40.3338



44.0511, 65.7636, 84.5857



80.5614, 65.7636, 115.9051



85.5073, 65.7636, 60.0259

Sweetspot

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



47.3747, 65.7664, 40.3353



82.5516, 94.0001, 88.2882



66.3269, 75.0083, 41.1202



17.3228, 19.9535, 18.3261



0.0000, 0.0000, 0.0000



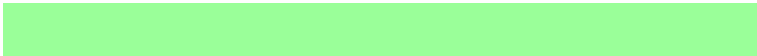
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3747, 65.7664, 40.3353



54.8977, 80.7216, 42.8244



50.7538, 67.0962, 59.1173



14.2065, 16.0980, 15.2629



16.0490, 32.0551, 5.3414



1.1921, 2.3719, 0.3950

Inverse Universe

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



57.9903, 45.1557, 80.5259



70.1963, 51.0125, 100.7544



53.6281, 43.4478, 55.8873



14.9757, 14.6052, 18.1741



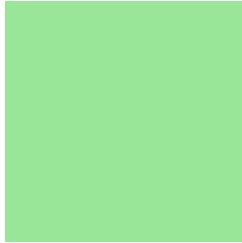
26.0326, 12.4862, 43.4212



1.9297, 0.9258, 3.2090

Previews

White Background



This preview shows how the XYZ color 47.3730, 65.7636, 40.3338 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 47.3730, 65.7636, 40.3338 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 47.3730, 65.7636, 40.3338

Background



This preview shows how black text looks on a background with the XYZ color 47.3730, 65.7636, 40.3338.



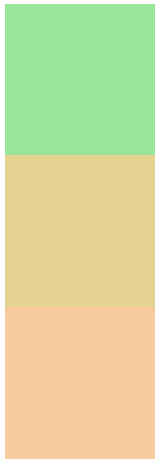
This preview shows how white text looks on a background with the XYZ color 47.3730, 65.7636,

40.3338.

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
47.3730, 65.7636, 40.3338
Protanopia
60.4000, 65.1268, 36.1754
Deuteranopia
66.0899, 64.7007, 41.8061



Tritanopia

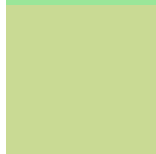
57.4568, 65.8469, 89.8022

Trichromacy



Original Color

47.3730, 65.7636, 40.3338



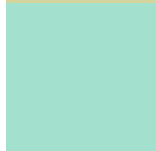
Protanomaly

54.5041, 64.6984, 37.6323



Deuteranomaly

57.3608, 63.8174, 41.1930



Tritanomaly

53.1061, 65.6601, 68.2672

Monochromacy



Original Color

47.3730, 65.7636, 40.3338



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.0185, 59.5379, 53.0590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3730, 65.7636, 40.3338 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(154, 230, 153)` looks like.

```
.text, #text, p{  
    color:rgb(154, 230, 153)  
}
```

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(154, 230, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 230, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.3730, 65.7636, 40.3338 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(154, 230, 153) }
```


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

```
.border{ border-color:rgb(154, 230, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 230, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 230, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 230, 153);  
box-shadow:4px 4px 4px 4px rgb(154, 230,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3730, 65.7636, 40.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 230, 153) }
```

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

```
.background{ background-color: rgb(154,  
230, 153) }
```

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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