

Converting Colors

XYZ(45.4557, 55.5383, 37.6187)

Have a look what the booklet for
XYZ(45.4557, 55.5383, 37.6187)
contains.

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Color

**XYZ(45.5617, 55.6071,
37.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CE97
RGB	176, 206, 151
RGB Percent	69%, 81%, 59%
CMY	0.3098, 0.1921, 0.4078
CMYK	0.15, 0.00, 0.27, 0.19
HSL	93°, 36%, 70%
HSV	93°, 27%, 81%
XYZ	45.5617, 55.6071, 37.6100
YIQ	190.7600, -0.2250, -23.4650

Conversions

Conversions Part 2

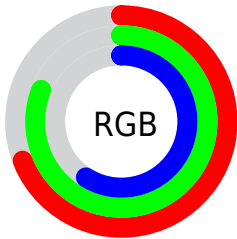
Format	Color
RYB	151, 206, 181
Decimal	11587223
CIELab	79.39, -19.85, 24.14
CIELCh	79, 31.251, 129.433
Yxy	55.6071, 0.3283, 0.4007
Android (android.graphics.Color)	4289777303 (0xFFB0CE97)
YUV	190.7600, -19.6017, -12.9445
Hunter-Lab	74.5702, -21.4359, 22.2958

Details

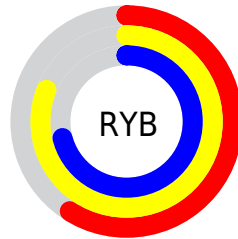
The XYZ color **45.5617, 55.6071, 37.6100** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2655, 36.4148, 63.2494**, and the grayscale version is **49.4935, 52.0710, 56.7053**.

A 20% lighter version of the original color is **80.0582, 93.0836, 71.5050**, and **21.6969, 27.5875, 16.2380** is the 20% darker color. If you saturate the color by 10%, you get **41.5965, 53.7414, 29.4414**, and if you desaturate by 10%, it is **50.0325, 57.7031, 47.3306**.

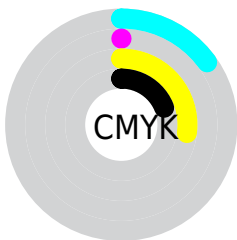
Distribution



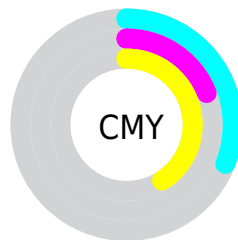
- Red (69%)
- Green (81%)
- Blue (59%)



- Red (59%)
- Yellow (81%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)





- Cyan (31%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5617, 55.6071, 37.6100 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 45.5617, 55.6071, 37.6100 by changing the saturation by 10% instead.


 45.5617, 55.6071,
37.6100


 45.5617, 55.6071,
37.6100


359.7893,
408.2091, 351.1919

 32.1032, 39.8880,
25.3807


 82.7945, 98.4299,
72.7068

 21.5963, 27.4512,
16.1393


 107.2997,
126.3024, 96.4112

 13.6755, 17.9124,
9.4673


136.2177,
158.9947, 124.7779

 7.9755, 10.8871,
4.9463

169.9140,
196.8914, 158.2252

 4.1310, 5.9910,
2.1576

208.7540,
240.3768, 197.1717

 1.7765, 2.8396,
0.6497

253.1029,

 0.5034, 1.0486,

289.8353, 242.0359

0.0000

303.3262,
345.6513, 293.2365

■ 0.0000, 0.0000,
0.0000

■ 45.5617, 55.6071,
37.6100

■ 45.5617, 55.6071,
37.6100

■ 41.5965, 53.7414,
29.4414

■ 50.0325, 57.7031,
47.3306

■ 38.1124, 52.0899,
22.7407

■ 55.0237, 60.0302,
58.6740

■ 35.0888, 50.6458,
17.4216

■ 60.5545, 62.5986,
71.7111

■ 32.5021, 49.3989,
13.3872

■ 66.6421, 65.4157,
86.5076

■ 30.3257, 48.3380,
10.5281

■ 73.3025, 68.4883,
103.1256

■ 28.5294, 47.4502,
8.7164

■ 77.2319, 70.4955,
104.1442

■ 27.0755, 46.7198,
7.7860

■ 81.2389, 72.5612,
104.3317

■ 26.6506, 46.5050,
7.5717

■ 81.3625, 72.6249,
104.3375

Harmonies

Analogous

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



50.9022, 55.6071, 32.4825



45.5617, 55.6071, 37.6100



42.3535, 55.6071, 49.2133

Triad

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



45.5617, 55.6071, 37.6100



48.7313, 55.6071, 98.9509



65.6549, 55.6071, 55.0642

Complementary

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



45.5617, 55.6071, 37.6100



41.2655, 36.4148, 63.2494

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.



64.9581, 55.6071, 73.4988



45.5617, 55.6071, 37.6100



54.8528, 55.6071, 101.3750

Square

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



45.5617, 55.6071, 37.6100



44.0806, 55.6071, 85.2218



60.8832, 55.6071, 91.3079



62.7180, 55.6071, 41.1634

Rectangle

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



45.5617, 55.6071, 37.6100



41.6948, 55.6071, 60.2060



60.8832, 55.6071, 91.3079



65.8428, 55.6071, 60.8887

Sweetspot

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



45.5631, 55.6095, 37.6112



87.9614, 96.7052, 92.3245



47.4303, 48.1356, 36.0702



18.5558, 20.5724, 19.1372



0.0000, 0.0000, 0.0000



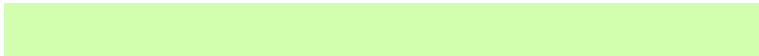
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5631, 55.6095, 37.6112



70.0588, 88.3259, 53.0945



40.5715, 53.0189, 38.1610



11.5443, 12.7825, 11.9382



16.5186, 28.6909, 4.6673



0.9392, 1.5250, 0.2449

Inverse Universe

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



41.2655, 36.4148, 63.2494



61.9578, 52.1528, 101.4087



47.4415, 39.6242, 62.3823



11.1768, 11.1404, 14.1316



11.1171, 4.9386, 36.3236



0.6603, 0.2995, 1.8780

Previews

White Background



This preview shows how the XYZ color 45.5617, 55.6071, 37.6100 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 45.5617, 55.6071, 37.6100 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 45.5617, 55.6071, 37.6100

Background



This preview shows how black text looks on a background with the XYZ color 45.5617, 55.6071, 37.6100.



This preview shows how white text looks on a background with the XYZ color 45.5617, 55.6071,

37.6100.

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

45.5617, 55.6071, 37.6100

Protanopia

51.5847, 55.2881, 35.5566

Deuteranopia

56.2127, 54.9910, 38.6619



Tritanopia

52.3393, 55.5575, 71.5834

Trichromacy



Original Color

45.5617, 55.6071, 37.6100

Protanomaly

49.2883, 55.4524, 36.1226

Deuteranomaly

51.9262, 55.0649, 38.4636

Tritanomaly

49.5820, 55.4800, 57.3857

Monochromacy



Original Color

45.5617, 55.6071, 37.6100

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.8261, 53.0535, 48.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5617, 55.6071, 37.6100 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(176, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 206, 151) }
```

Border

The CSS property to change the border of an element to XYZ 45.5617, 55.6071, 37.6100 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(176, 206, 151) }
```


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

```
.border{ border-color:rgb(176, 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(176, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(176, 206,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5617, 55.6071, 37.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 206, 151) }
```

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

```
.background{ background-color: rgb(176,  
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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