

Converting Colors

XYZ(37.0011, 45.5995, 36.1039)

Have a look what the booklet for
XYZ(37.0011, 45.5995, 36.1039)
contains.

XYZ(36.9204, 45.4019, 36.0957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.9204, 45.4019,
36.0957)**

Conversions

Conversions Part 1

Format	Color
Hex	99BD97
RGB	153, 189, 151
RGB Percent	60%, 74%, 59%
CMY	0.4000, 0.2588, 0.4078
CMYK	0.19, 0.00, 0.20, 0.26
HSL	117°, 22%, 67%
HSV	117°, 20%, 74%
XYZ	36.9204, 45.4019, 36.0957
YIQ	173.9040, -9.2580, -19.4500

Conversions

Conversions Part 2

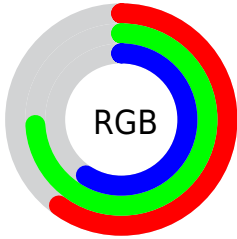
Format	Color
RYB	151, 189, 187
Decimal	10075543
CIELab	73.16, -19.47, 15.30
CIELCh	73, 24.762, 141.845
Yxy	45.4019, 0.3118, 0.3834
Android (android.graphics.Color)	4288265623 (0xFF99BD97)
YUV	173.9040, -11.2917, -18.3328
Hunter-Lab	67.3809, -20.1102, 15.4052

Details

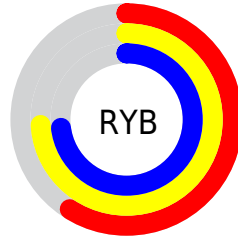
The XYZ color **36.9204, 45.4019, 36.0957** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7474, 36.3735, 53.0197**, and the grayscale version is **40.2434, 42.3392, 46.1074**.

A 20% lighter version of the original color is **69.6843, 83.1225, 70.1291**, and **16.4712, 21.2951, 15.2988** is the 20% darker color. If you saturate the color by 10%, you get **32.3773, 43.2245, 28.5028**, and if you desaturate by 10%, it is **42.2193, 47.9431, 45.0104**.

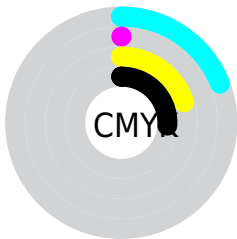
Distribution



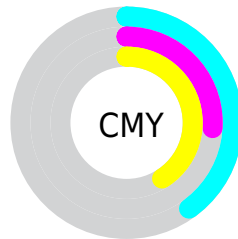
- Red (60%)
- Green (74%)
- Blue (59%)



- Red (59%)
- Yellow (74%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)





- Cyan (40%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9204, 45.4019, 36.0957 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 36.9204, 45.4019, 36.0957 by changing the saturation by 10% instead.

 36.9204, 45.4019,
36.0957


 36.9204, 45.4019,
36.0957


324.3273,
368.3988, 344.4287

 25.3193, 31.7741,
24.2178


 69.7650, 83.3232,
70.3505

 16.4451, 21.1890,
15.2816

 91.7391, 108.3855,
93.5644

 9.9325, 13.2622,
8.8684


117.9016,
138.0280, 121.3942

 5.4161, 7.6094,
4.5598

148.6179,
172.6352, 154.2583

 2.5307, 3.8460,
1.9372

184.2532,
212.5915, 192.5752

 0.9108, 1.5878,
0.5163

225.1730,

 0.0000, 0.3494,

258.2813, 236.7636

0.0000

271.7426,
310.0889, 287.2419

■ 0.0000, 0.0000,
0.0000

■ 36.9204, 45.4019,
36.0957

■ 36.9204, 45.4019,
36.0957

■ 32.3773, 43.2245,
28.5028

■ 42.2193, 47.9431,
45.0104

■ 28.5520, 41.3888,
22.1661

■ 48.3023, 50.8575,
55.3025

■ 25.4089, 39.8792,
17.0187

■ 55.2009, 54.1615,
67.0279

■ 22.9080, 38.6765,
12.9866

■ 62.9436, 57.8686,
80.2386

■ 21.0047, 37.7598,
9.9871

■ 71.5576, 61.9918,
94.9841

■ 19.6491, 37.1052,
7.9264

■ 77.4885, 64.8770,
103.0462

■ 18.7831, 36.6851,
6.6937

■ 18.3230, 36.4612,
6.0720

Harmonies

Analogous

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



40.1231, 45.4019, 30.4104



36.9204, 45.4019, 36.0957



35.4112, 45.4019, 46.1227

Triad

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



36.9204, 45.4019, 36.0957



41.9806, 45.4019, 77.0552



51.3683, 45.4019, 41.0678

Complementary

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



36.9204, 45.4019, 36.0957



40.7474, 36.3735, 53.0197

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.



51.9485, 45.4019, 52.9020



36.9204, 45.4019, 36.0957



46.3321, 45.4019, 75.0908

Square

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



36.9204, 45.4019, 36.0957



38.2020, 45.4019, 70.7009



50.0506, 45.4019, 65.7119



48.5146, 45.4019, 32.9282

Rectangle

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



36.9204, 45.4019, 36.0957



35.4930, 45.4019, 54.5025



50.0506, 45.4019, 65.7119



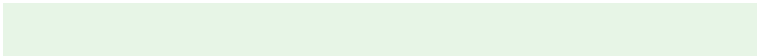
51.8430, 45.4019, 44.6916

Sweetspot

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



36.9216, 45.4038, 36.0967



79.8084, 87.8731, 87.7003



44.2316, 48.3703, 36.2840



17.0127, 18.8250, 18.6064



90.7827, 95.5105, 104.0109



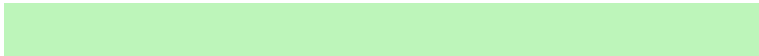
18.6292, 19.5994, 21.3438

Same Dimension

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



36.9216, 45.4038, 36.0967



62.4807, 79.5677, 58.5461



37.9799, 45.7839, 43.6226



9.4540, 10.6729, 10.1384



12.3480, 24.5415, 4.0862



0.4998, 0.9696, 0.1608

Inverse Universe

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



40.7474, 36.3735, 53.0197



70.5381, 60.5442, 94.1946



39.5522, 35.9523, 44.1553



9.8790, 9.6700, 12.0180



18.7178, 8.9355, 33.1311



0.7485, 0.3579, 1.2985

Previews

White Background



This preview shows how the XYZ color 36.9204, 45.4019, 36.0957 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 36.9204, 45.4019, 36.0957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

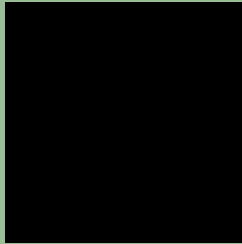
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9204, 45.4019, 36.0957

Background



This preview shows how black text looks on a background with the XYZ color 36.9204, 45.4019, 36.0957.



This preview shows how white text looks on a background with the XYZ color 36.9204, 45.4019,

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

36.9204, 45.4019, 36.0957

Protanopia

42.5436, 45.2627, 33.6884

Deuteranopia

45.7621, 44.8173, 36.8105



Tritanopia

41.7095, 45.4753, 59.4026

Trichromacy



Original Color

36.9204, 45.4019, 36.0957

Protanomaly

40.4102, 45.3522, 34.6410

Deuteranomaly

41.9199, 44.5798, 36.5323

Tritanomaly

39.6877, 45.2623, 49.8247

Monochromacy



Original Color

36.9204, 45.4019, 36.0957

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.7289, 43.1004, 42.3544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9204, 45.4019, 36.0957 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(153, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 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(153, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 151) }
```

Border

The CSS property to change the border of an element to XYZ 36.9204, 45.4019, 36.0957 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(153, 189, 151) }
```


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

```
.border{ border-color:rgb(153, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9204, 45.4019, 36.0957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 151) }
```

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

```
.background{ background-color: rgb(153,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor