

Converting Colors

XYZ(37.2523, 45.5351, 37.8380)

Have a look what the booklet for
XYZ(37.2523, 45.5351, 37.8380)
contains.

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Color

**XYZ(37.2509, 45.5341,
37.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	99BD9B
RGB	153, 189, 155
RGB Percent	60%, 74%, 61%
CMY	0.4000, 0.2588, 0.3922
CMYK	0.19, 0.00, 0.18, 0.26
HSL	123°, 21%, 67%
HSV	123°, 19%, 74%
XYZ	37.2509, 45.5341, 37.8360
YIQ	174.3600, -10.5420, -18.2060

Conversions

Conversions Part 2

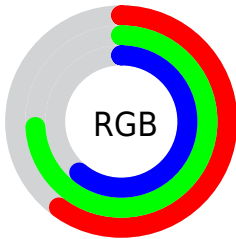
Format	Color
RYB	153, 187, 189
Decimal	10075547
CIELab	73.24, -18.76, 13.26
CIELCh	73, 22.971, 144.750
Yxy	45.5341, 0.3088, 0.3775
Android (android.graphics.Color)	4288265627 (0xFF99BD9B)
YUV	174.3600, -9.5445, -18.7327
Hunter-Lab	67.4790, -19.5495, 13.9909

Details

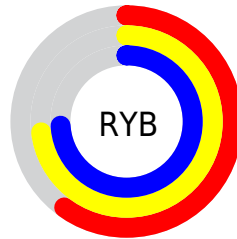
The XYZ color **37.2509, 45.5341, 37.8360** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3488, 37.1902, 52.0149**, and the grayscale version is **40.4698, 42.5774, 46.3667**.

A 20% lighter version of the original color is **70.1735, 83.3182, 72.7051**, and **16.6697, 21.3745, 16.3438** is the 20% darker color. If you saturate the color by 10%, you get **32.5723, 43.2841, 30.3618**, and if you desaturate by 10%, it is **42.7187, 48.1679, 46.5059**.

Distribution



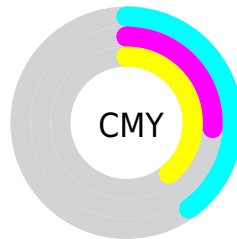
- Red (60%)
- Green (74%)
- Blue (61%)



- Red (60%)
- Yellow (73%)
- Blue (74%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2509, 45.5341, 37.8360 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 37.2509, 45.5341, 37.8360 by changing the saturation by 10% instead.

■ 37.2509, 45.5341,
37.8360

■ 37.2509, 45.5341,
37.8360

325.7322,
368.9324, 352.1930

■ 25.5764, 31.8783,
25.5546

■ 70.2698, 83.5213,
73.0573

■ 16.6380, 21.2686,
16.2680

■ 92.3449, 108.6215,
96.8343

■ 10.0704, 13.3205,
9.5576

118.6176,
138.3054, 125.2803

■ 5.5083, 7.6496,
5.0049

149.4533,
172.9572, 158.8137

■ 2.5863, 3.8716,
2.1913

185.2172,
212.9614, 197.8531

■ 0.9390, 1.6020,
0.6694

226.2747,

■ 0.0000, 0.3589,

258.7024, 242.8171

0.0000

272.9913,
310.5646, 294.1242

■ 0.0000, 0.0000,
0.0000

■ 37.2509, 45.5341,
37.8360

■ 37.2509, 45.5341,
37.8360

■ 32.5723, 43.2841,
30.3618

■ 42.7187, 48.1679,
46.5059

■ 28.6430, 41.3946,
24.0280

■ 49.0058, 51.1962,
56.4175

■ 25.4251, 39.8485,
18.7796

■ 56.1455, 54.6363,
67.6181

■ 22.8760, 38.6253,
14.5555

■ 64.1678, 58.5029,
80.1517

■ 20.9486, 37.7020,
11.2889

■ 73.1016, 62.8098,
94.0600

■ 19.5895, 37.0527,
8.9049

■ 77.4885, 64.8770,
103.0462

■ 18.7364, 36.6471,
7.3177

■ 18.2886, 36.4356,
6.4231

■ 18.2561, 36.4200,
6.3693

Harmonies

Analogous

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



40.1133, 45.5341, 32.0241



37.2509, 45.5341, 37.8360



36.0081, 45.5341, 47.5748

Triad

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



37.2509, 45.5341, 37.8360



42.5732, 45.5341, 75.1406



50.7086, 45.5341, 40.8515

Complementary

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



37.2509, 45.5341, 37.8360



41.3488, 37.1902, 52.0149

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.



51.4678, 45.5341, 51.6385



37.2509, 45.5341, 37.8360



46.6066, 45.5341, 72.6015

Square

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



37.2509, 45.5341, 37.8360



38.9565, 45.5341, 70.0128



49.9242, 45.5341, 63.5302



47.9095, 45.5341, 33.5664

Rectangle

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



37.2509, 45.5341, 37.8360



36.2057, 45.5341, 55.4499



49.9242, 45.5341, 63.5302



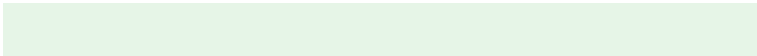
51.2179, 45.5341, 44.1377

Sweetspot

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



37.2521, 45.5360, 37.8370



79.6747, 87.7909, 88.2941



44.4918, 49.2875, 37.3060



16.9812, 18.8056, 18.7465



90.7827, 95.5105, 104.0109



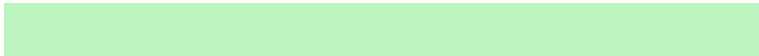
18.6292, 19.5994, 21.3438

Same Dimension

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



37.2521, 45.5360, 37.8370



62.9262, 79.7275, 61.7237



38.8593, 46.1789, 46.3005



9.4297, 10.6580, 10.2463



12.2921, 24.5071, 4.3347



0.4889, 0.9629, 0.2089

Inverse Universe

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



41.3488, 37.1902, 52.0149



71.6535, 61.9463, 91.9263



39.5592, 36.4744, 42.5912



9.9064, 9.6869, 11.8964



19.5703, 9.4593, 29.3603



0.7736, 0.3733, 1.1872

Previews

White Background



This preview shows how the XYZ color 37.2509, 45.5341, 37.8360 looks on a white background.

Color Contrast Check

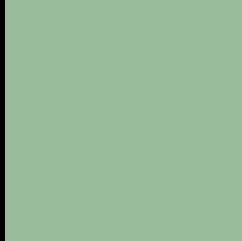
Large Text (above 18pt) WCAG AA × Fail

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 37.2509, 45.5341, 37.8360 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

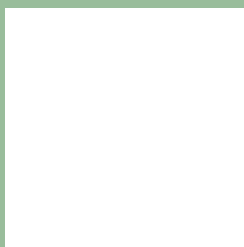
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2509, 45.5341, 37.8360

Background



This preview shows how black text looks on a background with the XYZ color 37.2509, 45.5341, 37.8360.



This preview shows how white text looks on a background with the XYZ color 37.2509, 45.5341,

37.8360.

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

37.2509, 45.5341, 37.8360

Protanopia

42.6114, 45.2610, 35.3446

Deuteranopia

46.0170, 45.1931, 38.6455



Tritanopia

41.6237, 45.4178, 59.9988

Trichromacy



Original Color

37.2509, 45.5341, 37.8360

Protanomaly

40.5055, 45.3641, 36.3270

Deuteranomaly

42.2135, 44.9888, 38.3571

Tritanomaly

39.6971, 45.2434, 50.8966

Monochromacy



Original Color

37.2509, 45.5341, 37.8360

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.8210, 43.1372, 42.8394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2509, 45.5341, 37.8360 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 155) }
```

Border

The CSS property to change the border of an element to XYZ 37.2509, 45.5341, 37.8360 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, 155) }
```


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

```
.border{ border-color:rgb(153, 189, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2509, 45.5341, 37.8360 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, 155) }
```

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

```
.background{ background-color: rgb(153,  
189, 155) }
```

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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