

Converting Colors

XYZ(36.3061, 45.7626, 33.9398)

Have a look what the booklet for
XYZ(36.3061, 45.7626, 33.9398)
contains.

XYZ(36.3968, 45.8210, 34.1201)	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(36.3968, 45.8210,
34.1201)**

Conversions

Conversions Part 1

Format	Color
Hex	96BF92
RGB	150, 191, 146
RGB Percent	59%, 75%, 57%
CMY	0.4118, 0.2510, 0.4274
CMYK	0.21, 0.00, 0.24, 0.25
HSL	115°, 26%, 66%
HSV	115°, 24%, 75%
XYZ	36.3968, 45.8210, 34.1201
YIQ	173.6110, -9.9910, -22.6870

Conversions

Conversions Part 2

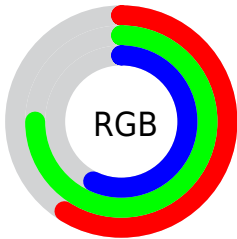
Format	Color
RYB	146, 191, 187
Decimal	9879442
CIELab	73.43, -22.38, 18.34
CIElCh	73, 28.939, 140.666
Yxy	45.8210, 0.3129, 0.3939
Android (android.graphics.Color)	4288069522 (0xFF96BF92)
YUV	173.6110, -13.6122, -20.7068
Hunter-Lab	67.6912, -22.4822, 17.4984

Details

The XYZ color **36.3968, 45.8210, 34.1201** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.1783, 34.8854, 53.9086**, and the grayscale version is **40.1049, 42.1934, 45.9486**.

A 20% lighter version of the original color is **69.1696, 84.2841, 67.2664**, and **16.0482, 21.3142, 14.0947** is the 20% darker color. If you saturate the color by 10%, you get **32.0656, 43.7471, 26.7989**, and if you desaturate by 10%, it is **41.4544, 48.2433, 42.7730**.

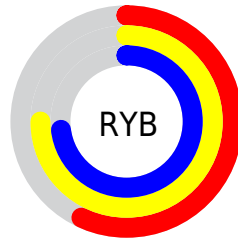
Distribution



Red (59%)

Green (75%)

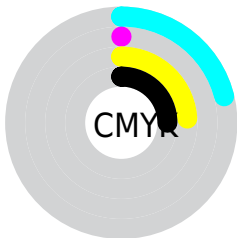
Blue (57%)



Red (57%)

Yellow (75%)

Blue (73%)

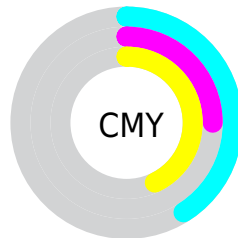


Cyan (21%)

Magenta (0%)

Yellow (24%)

Black (25%)



Cyan (41%)

Magenta (25%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3968, 45.8210, 34.1201 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 36.3968, 45.8210, 34.1201 by changing the saturation by 10% instead.

■ 36.3968, 45.8210,
34.1201

■ 36.3968, 45.8210,
34.1201

322.0926,
370.0885, 335.4527

■ 24.9123, 32.1046,
22.7078

■ 68.9640, 83.9510,
67.2564

■ 16.1401, 21.4414,
14.1746

■ 90.7774, 109.1335,
89.8175

■ 9.7148, 13.4470,
8.1021

116.7644,
138.9067, 116.9319

■ 5.2711, 7.7371,
4.0716

147.2906,
173.6551, 149.0182

■ 2.4436, 3.9272,
1.6647

182.7211,
213.7631, 186.4948

■ 0.8669, 1.6329,
0.3364

223.4214,

■ 0.0000, 0.3796,

259.6151, 229.7805

0.0000

269.7568,
311.5954, 279.2936

■ 0.0000, 0.0000,
0.0000

■ 36.3968, 45.8210,
34.1201

■ 36.3968, 45.8210,
34.1201

■ 32.0656, 43.7471,
26.7989

■ 41.4544, 48.2433,
42.7730

■ 28.4238, 42.0000,
20.7405

■ 47.2657, 51.0229,
52.8160

■ 25.4369, 40.5648,
15.8745

■ 53.8613, 54.1756,
64.3075

■ 23.0658, 39.4231,
12.1221

■ 61.2688, 57.7143,
77.3017

■ 21.2673, 38.5544,
9.3953

■ 69.5146, 61.6517,
91.8503

■ 19.9924, 37.9357,
7.5927

■ 77.7082, 65.6334,
103.1806

■ 19.1838, 37.5402,
6.5924

■ 77.9217, 65.7435,
103.1906

■ 18.8624, 37.3824,
6.2214

Harmonies

Analogous

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



40.1807, 45.8210, 27.9530



36.3968, 45.8210, 34.1201



34.5720, 45.8210, 45.4726

Triad

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



36.3968, 45.8210, 34.1201



41.9800, 45.8210, 83.0612



53.3888, 45.8210, 40.6194

Complementary

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



36.3968, 45.8210, 34.1201



40.1783, 34.8854, 53.9086

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.



53.9650, 45.8210, 54.5874



36.3968, 45.8210, 34.1201



47.1057, 45.8210, 81.0608

Square

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



36.3968, 45.8210, 34.1201



37.6255, 45.8210, 74.9258



51.5872, 45.8210, 69.8987



50.0691, 45.8210, 31.1651

Rectangle

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



36.3968, 45.8210, 34.1201



34.6059, 45.8210, 55.2733



51.5872, 45.8210, 69.8987



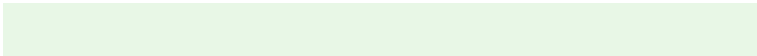
53.9193, 45.8210, 44.8704

Sweetspot

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



36.3980, 45.8230, 34.1211



80.7965, 89.5356, 87.9127



44.3406, 48.4828, 34.2159



17.6007, 19.5935, 19.0601



92.9021, 97.7402, 106.4391



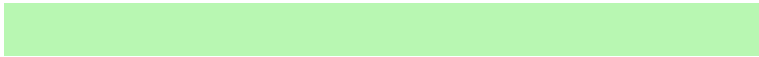
19.4759, 20.4902, 22.3138

Same Dimension

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



36.3980, 45.8230, 34.1211



61.2394, 80.1747, 54.4155



37.1872, 46.0550, 42.0528



9.4853, 10.6891, 10.1399



12.4258, 24.5816, 4.0898



0.5136, 0.9768, 0.1615

Inverse Universe

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



40.1783, 34.8854, 53.9086



69.1236, 57.3496, 95.7055



39.3092, 34.6524, 44.1535



9.8441, 9.6520, 12.0164



17.6905, 8.4058, 33.0830



0.7177, 0.3420, 1.2970

Previews

White Background



This preview shows how the XYZ color 36.3968, 45.8210, 34.1201 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 36.3968, 45.8210, 34.1201 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 36.3968, 45.8210, 34.1201

Background



This preview shows how black text looks on a background with the XYZ color 36.3968, 45.8210, 34.1201.



This preview shows how white text looks on a background with the XYZ color 36.3968, 45.8210,

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

36.3968, 45.8210, 34.1201

Protanopia

42.8672, 45.7721, 31.7749

Deuteranopia

46.4610, 45.4990, 35.1876



Tritanopia

41.7474, 45.7754, 60.6681

Trichromacy



Original Color

36.3968, 45.8210, 34.1201

Protanomaly

40.2299, 45.6113, 32.6701

Deuteranomaly

42.2396, 45.3772, 34.9662

Tritanomaly

39.7188, 45.9039, 49.9469

Monochromacy



Original Color

36.3968, 45.8210, 34.1201

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.5391, 43.3222, 41.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3968, 45.8210, 34.1201 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(150, 191, 146)` looks like.

```
.text, #text, p{  
    color:rgb(150, 191, 146)  
}
```

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(150, 191, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 191, 146) }
```

Border

The CSS property to change the border of an element to XYZ 36.3968, 45.8210, 34.1201 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(150, 191, 146) }
```


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

```
.border{ border-color:rgb(150, 191, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 191, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 191, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 191, 146);  
box-shadow:4px 4px 4px 4px rgb(150, 191,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3968, 45.8210, 34.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 191, 146) }
```

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

```
.background{ background-color: rgb(150,  
191, 146) }
```

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