

Converting Colors

XYZ(37.8694, 45.3969, 29.6882)

Have a look what the booklet for
XYZ(37.8694, 45.3969, 29.6882)
contains.

XYZ(37.8694, 45.3969, 29.6882)	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(37.8694, 45.3969,
29.6882)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BB87
RGB	166, 187, 135
RGB Percent	65%, 73%, 53%
CMY	0.3490, 0.2666, 0.4706
CMYK	0.11, 0.00, 0.28, 0.27
HSL	84°, 28%, 63%
HSV	84°, 28%, 73%
XYZ	37.8694, 45.3969, 29.6882
YIQ	174.7930, 4.1760, -20.6240

Conversions

Conversions Part 2

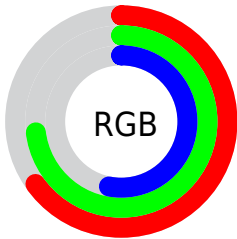
Format	Color
RYB	135, 187, 156
Decimal	10926983
CIELab	73.15, -16.36, 24.02
CIELCh	73, 29.062, 124.253
Yxy	45.3969, 0.3353, 0.4019
Android (android.graphics.Color)	4289117063 (0xFFA6BB87)
YUV	174.7930, -19.6179, -7.7115
Hunter-Lab	67.3772, -17.5841, 21.0393

Details

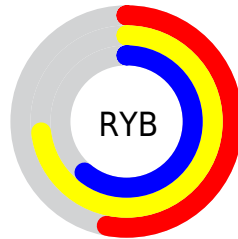
The XYZ color **37.8694, 45.3969, 29.6882** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.3457, 27.9849, 50.7657**, and the grayscale version is **40.7382, 42.8598, 46.6743**.

A 20% lighter version of the original color is **71.0547, 83.1475, 60.4482**, and **16.9748, 21.2168, 11.7949** is the 20% darker color. If you saturate the color by 10%, you get **35.1300, 44.1251, 23.2805**, and if you desaturate by 10%, it is **40.9355, 46.8132, 37.3203**.

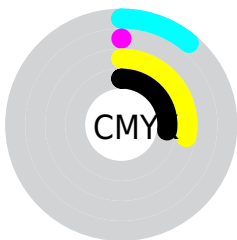
Distribution



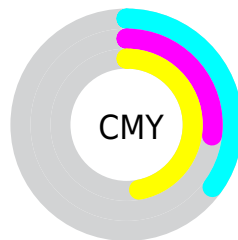
- Red (65%)
- Green (73%)
- Blue (53%)



- Red (53%)
- Yellow (73%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8694, 45.3969, 29.6882 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 37.8694, 45.3969, 29.6882 by changing the saturation by 10% instead.

■ 37.8694, 45.3969,
29.6882

■ 37.8694, 45.3969,
29.6882

328.3500,
368.3786, 314.6103

■ 26.0581, 31.7702,
19.3520

■ 71.2131, 83.3157,
60.2239

■ 17.0000, 21.1860,
11.7455

■ 93.4762, 108.3765,
81.2605

■ 10.3298, 13.2600,
6.4502

■ 119.9540,
138.0175, 106.7009

■ 5.6821, 7.6079,
3.0475

151.0117,
172.6231, 136.9638

■ 2.6916, 3.8451,
1.1190

187.0149,
212.5775, 172.4677

■ 0.9928, 1.5873,
0.0000

228.3287,

■ 0.0000, 0.3490,

258.2654, 213.6310

0.0000

275.3186,
310.0709, 260.8724

0.0000, 0.0000,
0.0000

37.8694, 45.3969,
29.6882

37.8694, 45.3969,
29.6882

35.1300, 44.1251,
23.2805

40.9355, 46.8132,
37.3203

32.7000, 42.9861,
18.0304

44.3375, 48.3732,
46.2329

30.5658, 41.9757,
13.8693

48.0885, 50.0840,
56.4823

28.7112, 41.0874,
10.7202

52.2000, 51.9502,
68.1206

27.1178, 40.3136,
8.4959

56.6827, 53.9763,
81.1971

■ 25.7646, 39.6456,
7.0945

■ 61.5468, 56.1666,
95.7585

■ 24.6204, 39.0708,
6.3615

■ 64.9962, 57.8027,
102.3391

■ 24.3866, 38.9528,
6.2333

■ 67.3188, 59.0001,
102.4478

■ 69.7458, 60.2512,
102.5614

Harmonies

Analogous

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



42.4264, 45.3969, 26.4101



37.8694, 45.3969, 29.6882



34.9175, 45.3969, 38.2233

Triad

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



37.8694, 45.3969, 29.6882



39.0340, 45.3969, 79.2282



53.6660, 45.3969, 47.3790

Complementary

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



37.8694, 45.3969, 29.6882



31.3457, 27.9849, 50.7657

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.



52.5806, 45.3969, 62.6363



37.8694, 45.3969, 29.6882



43.8786, 45.3969, 82.9927

Square

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



37.8694, 45.3969, 29.6882



35.5519, 45.3969, 66.9493



48.8965, 45.3969, 76.4141



51.7566, 45.3969, 35.2685

Rectangle

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



37.8694, 45.3969, 29.6882



34.1224, 45.3969, 46.6750



48.8965, 45.3969, 76.4141



53.6403, 45.3969, 52.2903

Sweetspot

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



37.8706, 45.3989, 29.6892



79.1989, 86.5379, 82.2494



36.7233, 36.0255, 27.9404



17.2295, 18.9604, 17.5492



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.



37.8706, 45.3989, 29.6892



64.9429, 79.9687, 46.3386



32.9938, 42.8848, 29.4610



9.9393, 10.9231, 10.1612



16.8851, 26.8804, 4.2985



0.7336, 1.0901, 0.1718

Inverse Universe

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



31.3457, 27.9849, 50.7657



51.4406, 43.9233, 89.9682



36.8795, 30.8377, 51.0247



9.3715, 9.4084, 11.9943



8.2852, 3.5572, 32.6428



0.3988, 0.1776, 1.2821

Previews

White Background



This preview shows how the XYZ color 37.8694, 45.3969, 29.6882 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 37.8694, 45.3969, 29.6882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

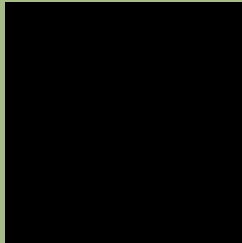
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8694, 45.3969, 29.6882

Background



This preview shows how black text looks on a background with the XYZ color 37.8694, 45.3969, 29.6882.



This preview shows how white text looks on a background with the XYZ color 37.8694, 45.3969,

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

37.8694, 45.3969, 29.6882

Protanopia

42.2773, 45.2436, 28.3344

Deuteranopia

45.9183, 45.0417, 30.3185



Tritanopia

43.3133, 45.1339, 57.4678

Trichromacy



Original Color

37.8694, 45.3969, 29.6882

Protanomaly

40.4900, 45.2166, 28.7839

Deuteranomaly

42.4856, 44.7198, 30.0595

Tritanomaly

41.0654, 45.1310, 46.0819

Monochromacy



Original Color

37.8694, 45.3969, 29.6882

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.4785, 43.5489, 39.5827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8694, 45.3969, 29.6882 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(166, 187, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 135)  
}
```

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(166, 187, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 135) }
```

Border

The CSS property to change the border of an element to XYZ 37.8694, 45.3969, 29.6882 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(166, 187, 135) }
```


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

```
.border{ border-color:rgb(166, 187, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 187, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 135);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8694, 45.3969, 29.6882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 135) }
```

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

```
.background{ background-color: rgb(166,  
187, 135) }
```

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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