

Converting Colors

XYZ(37.8732, 45.6372, 6.8127)

Have a look what the booklet for
XYZ(37.8732, 45.6372, 6.8127)
contains.

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Color

**XYZ(37.8086, 45.5569,
6.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	BABA00
RGB	186, 186, 0
RGB Percent	73%, 73%, 0%
CMY	0.2706, 0.2706, 0.9999
CMYK	0.00, 0.00, 1.00, 0.27
HSL	60°, 100%, 36%
HSV	60°, 100%, 73%
XYZ	37.8086, 45.5569, 6.8006
YIQ	164.7960, 59.7060, -57.8460

Conversions

Conversions Part 2

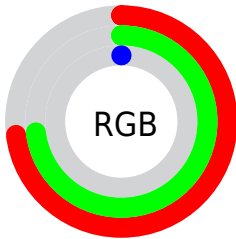
Format	Color
R _Y B	0, 186, 0
Decimal	12237312
CIE Lab	73.26, -17.01, 74.54
CIE LCh	73, 76.455, 102.852
Yxy	45.5569, 0.4193, 0.5053
Android (android.graphics.Color)	4290427392 (0xFFBABA00)
YUV	164.7960, -81.2444, 18.5959
Hunter-Lab	67.4959, -18.1289, 41.2733

Details

The XYZ color **37.8086, 45.5569, 6.8006** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.8640, 3.5460, 46.6745**, and the grayscale version is **36.0255, 37.9016, 41.2749**.

A 20% lighter version of the original color is **71.2434, 83.6912, 20.1837**, and **17.2896, 21.3643, 3.2125** is the 20% darker color. If you saturate the color by 10%, you get **37.8095, 45.5590, 6.8010**, and if you desaturate by 10%, it is **37.9240, 45.6048, 7.4030**.

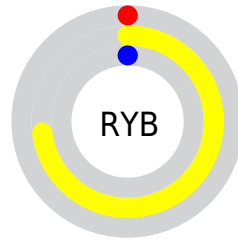
Distribution



Red (73%)

Green (73%)

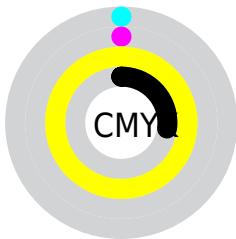
Blue (0%)



Red (0%)

Yellow (73%)

Blue (0%)

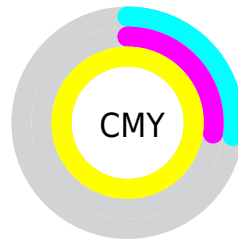


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8086, 45.5569, 6.8006 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 37.8086, 45.5569, 6.8006 by changing the saturation by 10% instead.


 37.8086, 45.5569,
6.8006


 37.8086, 45.5569,
6.8006


328.0933,
369.0244, 175.5640

 26.0107, 31.8963,
3.2612


 71.1205, 83.5555,
20.0769

 16.9644, 21.2823,
1.2295


 93.3652, 108.6622,
30.6509

 10.3042, 13.3305,
0.0029


 119.8228,
138.3532, 44.4068

 5.6650, 7.6565,
0.0000

 150.8588,
173.0127, 61.7631

 2.6812, 3.8760,
0.0000

 186.8385,
213.0252, 83.1385

 0.9875, 1.6044,
0.0000

 228.1272,

 0.0000, 0.3606,

258.7750, 108.9514

0.0000

275.0904,
310.6466, 139.6204

■ 0.0000, 0.0000,
0.0000

■ 37.8086, 45.5569,
6.8006

■ 37.8086, 45.5569,
6.8006

■ 37.8095, 45.5590,
6.8010

■ 37.9240, 45.6048,
7.4030

■ 38.1472, 45.6941,
8.5777

■ 38.5194, 45.8430,
10.5368

■ 39.0603, 46.0594,
13.3848

■ 39.7870, 46.3500,
17.2103

■ 40.7140, 46.7209,
22.0912

■ 41.8547, 47.1772,
28.0975

■ 43.2213, 47.7238,
35.2932

■ 44.8250, 48.3653,
43.7376

Harmonies

Analogous

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



51.3664, 45.5569, 7.1892



37.8086, 45.5569, 6.8006



28.0098, 45.5569, 12.7479

Triad

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



37.8086, 45.5569, 6.8006



26.9987, 45.5569, 118.7867



72.9478, 45.5569, 74.7506

Complementary

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



37.8086, 45.5569, 6.8006



8.8640, 3.5460, 46.6745

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.



63.3367, 45.5569, 125.9404



37.8086, 45.5569, 6.8006



36.1265, 45.5569, 159.0911

Square

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



37.8086, 45.5569, 6.8006



22.6939, 45.5569, 67.9323



49.2999, 45.5569, 162.2312



73.6593, 45.5569, 34.9095

Rectangle

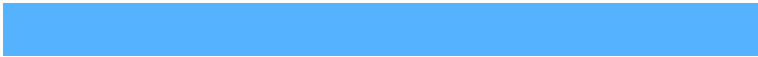
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8086, 45.5569, 6.8006



24.1524, 45.5569, 22.9390



49.2999, 45.5569, 162.2312



70.5722, 45.5569, 91.5628

Sweetspot

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



37.8096, 45.5590, 6.8015



75.7452, 85.4605, 50.3231



20.2512, 10.4402, 0.9483



16.4786, 18.7391, 10.0195



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.



37.8096, 45.5590, 6.8015



68.5278, 82.5734, 12.3265



22.0755, 37.4478, 6.0652



9.7502, 10.5034, 9.6204



25.4355, 30.6488, 4.5752



0.8967, 1.0805, 0.1613

Inverse Universe

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



8.8640, 3.5460, 46.6745



16.0647, 6.4259, 84.5950



13.3791, 5.8736, 46.8858



8.5212, 8.7195, 11.3134



5.9628, 2.3851, 31.3992



0.2102, 0.0841, 1.1069

Previews

White Background



This preview shows how the XYZ color 37.8086, 45.5569, 6.8006 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 37.8086, 45.5569, 6.8006 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 37.8086, 45.5569, 6.8006

Background



This preview shows how black text looks on a background with the XYZ color 37.8086, 45.5569, 6.8006.



This preview shows how white text looks on a background with the XYZ color 37.8086, 45.5569,

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

37.8086, 45.5569, 6.8006

Protanopia

40.9499, 45.3390, 6.5930

Deuteranopia

46.4511, 45.5406, 7.4406



Tritanopia

47.0952, 45.4381, 52.7426

Trichromacy



Original Color

37.8086, 45.5569, 6.8006

Protanomaly

39.7539, 45.3262, 6.6536

Deuteranomaly

42.7859, 45.0914, 7.0207

Tritanomaly

41.4385, 44.6181, 23.5677

Monochromacy



Original Color

37.8086, 45.5569, 6.8006

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.7270, 39.7913, 19.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8086, 45.5569, 6.8006 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(186, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 0)  
}
```

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(186, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.8086, 45.5569, 6.8006 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(186, 186, 0) }
```


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

```
.border{ border-color:rgb(186, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8086, 45.5569, 6.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 0) }
```

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

```
.background{ background-color: rgb(186,  
186, 0) }
```

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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