

Converting Colors

XYZ(37.8740, 45.2922, 28.5469)

Have a look what the booklet for
XYZ(37.8740, 45.2922, 28.5469)
contains.

XYZ(37.8715, 45.4221, 28.6011)	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(37.8715, 45.4221,
28.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BB84
RGB	167, 187, 132
RGB Percent	65%, 73%, 52%
CMY	0.3451, 0.2666, 0.4823
CMYK	0.11, 0.00, 0.29, 0.27
HSL	82°, 29%, 63%
HSV	82°, 29%, 73%
XYZ	37.8715, 45.4221, 28.6011
YIQ	174.7500, 5.7350, -21.3450

Conversions

Conversions Part 2

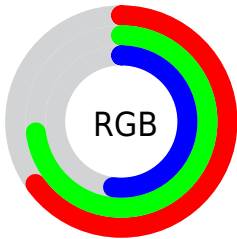
Format	Color
RYB	132, 187, 152
Decimal	10992516
CIELab	73.17, -16.42, 25.65
CIELCh	73, 30.459, 122.626
Yxy	45.4221, 0.3385, 0.4059
Android (android.graphics.Color)	4289182596 (0xFFA7BB84)
YUV	174.7500, -21.0757, -6.7968
Hunter-Lab	67.3959, -17.6391, 22.0160

Details

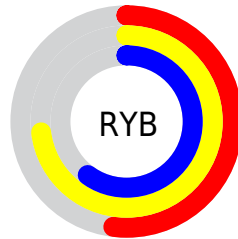
The XYZ color **37.8715, 45.4221, 28.6011** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.1717, 26.7671, 50.5926**, and the grayscale version is **40.7227, 42.8434, 46.6565**.

A 20% lighter version of the original color is **71.2390, 83.2919, 58.2212**, and **16.9875, 21.2368, 11.1864** is the 20% darker color. If you saturate the color by 10%, you get **35.3059, 44.2357, 22.3894**, and if you desaturate by 10%, it is **40.7444, 46.7432, 36.0264**.

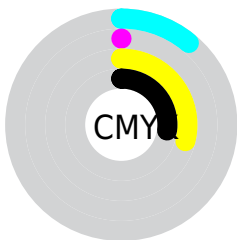
Distribution



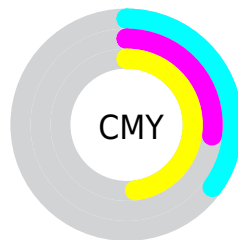
- Red (65%)
- Green (73%)
- Blue (52%)



- Red (52%)
- Yellow (73%)
- Blue (60%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8715, 45.4221, 28.6011 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 37.8715, 45.4221, 28.6011 by changing the saturation by 10% instead.

■ 37.8715, 45.4221,
28.6011

■ 37.8715, 45.4221,
28.6011

328.3588,
368.4804, 309.3300

■ 26.0597, 31.7900,
18.5363

■ 71.2163, 83.3535,
58.4773

■ 17.0012, 21.2012,
11.1623

■ 93.4801, 108.4215,
79.1258

■ 10.3307, 13.2711,
6.0606

■ 119.9585,
138.0704, 104.1392

■ 5.6827, 7.6155,
2.8126

151.0170,
172.6844, 133.9362

■ 2.6919, 3.8499,
0.9997

187.0210,
212.6481, 168.9352

■ 0.9930, 1.5900,
0.0000

228.3357,

■ 0.0000, 0.3508,

258.3457, 209.5548

0.0000

275.3265,
310.1617, 256.2136

■ 0.0000, 0.0000,
0.0000

■ 37.8715, 45.4221,
28.6011

■ 37.8715, 45.4221,
28.6011

■ 35.3059, 44.2357,
22.3894

■ 40.7444, 46.7432,
36.0264

■ 33.0308, 43.1726,
17.3238

■ 43.9337, 48.1981,
44.7223

■ 31.0327, 42.2288,
13.3347

■ 47.4521, 49.7937,
54.7455

■ 29.2955, 41.3976,
10.3436

■ 51.3107, 51.5345,
66.1485

■ 27.8011, 40.6718,
8.2614

■ 55.5200, 53.4249,
78.9811

■ 26.5283, 40.0426,
6.9833

■ 60.0900, 55.4688,
93.2904

■ 25.4388, 39.4947,
6.3140

■ 63.7311, 57.1506,
102.2799

■ 25.3778, 39.4639,
6.2797

■ 65.7653, 58.1993,
102.3751

■ 67.8836, 59.2913,
102.4743

Harmonies

Analogous

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



42.7037, 45.4221, 25.5206



37.8715, 45.4221, 28.6011



34.6840, 45.4221, 37.1350

Triad

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



37.8715, 45.4221, 28.6011



38.6229, 45.4221, 80.4229



54.2587, 45.4221, 48.1222

Complementary

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



37.8715, 45.4221, 28.6011



30.1717, 26.7671, 50.5926

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.



52.9436, 45.4221, 64.2414



37.8715, 45.4221, 28.6011



43.6444, 45.4221, 85.0166

Square

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



37.8715, 45.4221, 28.6011



35.0920, 45.4221, 67.0589



48.9461, 45.4221, 78.5747



52.4066, 45.4221, 35.2409

Rectangle

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



37.8715, 45.4221, 28.6011



33.7722, 45.4221, 45.7794



48.9461, 45.4221, 78.5747



54.1725, 45.4221, 53.3263

Sweetspot

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



37.8727, 45.4241, 28.6021



78.8412, 86.3910, 80.5410



35.7670, 34.4460, 26.5941



17.1695, 18.9371, 17.2002



90.7827, 95.5105, 104.0109



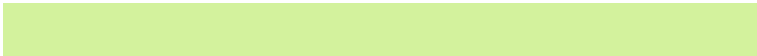
18.6292, 19.5994, 21.3438

Same Dimension

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



37.8727, 45.4241, 28.6021



64.9344, 80.0133, 44.1274



32.7941, 42.8060, 28.3644



9.9766, 10.9423, 10.1629



17.5660, 27.2315, 4.3304



0.7574, 1.1024, 0.1729

Inverse Universe

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



30.1717, 26.7671, 50.5926



49.0129, 41.4260, 89.6142



35.7553, 29.6455, 50.8539



9.3353, 9.3897, 11.9926



7.8962, 3.3567, 32.6246



0.3818, 0.1689, 1.2813

Previews

White Background



This preview shows how the XYZ color 37.8715, 45.4221, 28.6011 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 37.8715, 45.4221, 28.6011 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 37.8715, 45.4221, 28.6011

Background



This preview shows how black text looks on a background with the XYZ color 37.8715, 45.4221, 28.6011.



This preview shows how white text looks on a background with the XYZ color 37.8715, 45.4221,

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

37.8715, 45.4221, 28.6011

Protanopia

42.0749, 45.1626, 27.2686

Deuteranopia

45.9897, 45.1032, 29.2035



Tritanopia

43.6502, 45.3206, 56.8992

Trichromacy



Original Color

37.8715, 45.4221, 28.6011

Protanomaly

40.5244, 45.2580, 27.7189

Deuteranomaly

42.5309, 44.7676, 28.9537

Tritanomaly

41.3122, 45.2804, 45.0907

Monochromacy



Original Color

37.8715, 45.4221, 28.6011

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3914, 43.5141, 39.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8715, 45.4221, 28.6011 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(167, 187, 132)` looks like.

```
.text, #text, p{  
    color:rgb(167, 187, 132)  
}
```

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(167, 187, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 187, 132) }
```

Border

The CSS property to change the border of an element to XYZ 37.8715, 45.4221, 28.6011 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(167, 187, 132) }
```


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

```
.border{ border-color:rgb(167, 187, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 187, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 187, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 187, 132);  
box-shadow:4px 4px 4px 4px rgb(167, 187,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8715, 45.4221, 28.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 187, 132) }
```

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

```
.background{ background-color: rgb(167,  
187, 132) }
```

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