

Converting Colors

XYZ(37.7335, 45.1746, 24.4524)

Have a look what the booklet for
XYZ(37.7335, 45.1746, 24.4524)
contains.

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Color

**XYZ(37.7437, 45.1318,
24.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBA78
RGB	171, 186, 120
RGB Percent	67%, 73%, 47%
CMY	0.3294, 0.2706, 0.5294
CMYK	0.08, 0.00, 0.35, 0.27
HSL	74°, 32%, 60%
HSV	74°, 35%, 73%
XYZ	37.7437, 45.1318, 24.4913
YIQ	173.9910, 12.2460, -23.7060

Conversions

Conversions Part 2

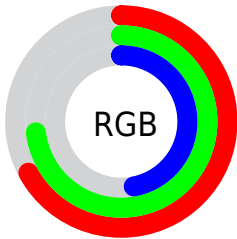
Format	Color
RYB	120, 186, 135
Decimal	11254392
CIELab	72.98, -16.02, 31.78
CIELCh	73, 35.587, 116.747
Yxy	45.1318, 0.3515, 0.4204
Android (android.graphics.Color)	4289444472 (0xFFABBA78)
YUV	173.9910, -26.6176, -2.6231
Hunter-Lab	67.1802, -17.2791, 25.4113

Details

The XYZ color **37.7437, 45.1318, 24.4913** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.5728, 22.1302, 49.3806**, and the grayscale version is **40.3565, 42.4582, 46.2370**.

A 20% lighter version of the original color is **70.9735, 82.8523, 51.7866**, and **16.9642, 21.0688, 8.9669** is the 20% darker color. If you saturate the color by 10%, you get **35.8168, 44.2579, 19.0702**, and if you desaturate by 10%, it is **39.9217, 46.1127, 31.0706**.

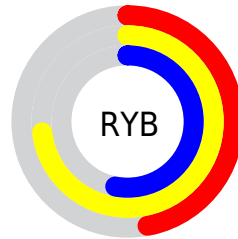
Distribution



Red (67%)

Green (73%)

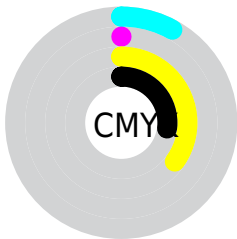
Blue (47%)



Red (47%)

Yellow (73%)

Blue (53%)

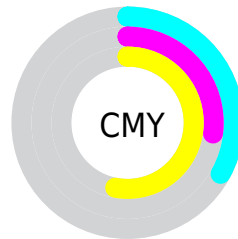


Cyan (8%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (33%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7437, 45.1318, 24.4913 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 37.7437, 45.1318, 24.4913 by changing the saturation by 10% instead.

■ 37.7437, 45.1318,
24.4913

■ 37.7437, 45.1318,
24.4913

327.8191,
367.3071, 288.6611

■ 25.9601, 31.5613,
15.4829

■ 71.0216, 82.9182,
51.7846

■ 16.9263, 21.0266,
9.0086

■ 93.2466, 107.9028,
70.9066

■ 10.2770, 13.1434,
4.6499

■ 119.6828,
137.4608, 94.2368

■ 5.6467, 7.5274,
1.9882

150.6955,
171.9768, 122.1939

■ 2.6700, 3.7941,
0.5480

186.6502,
211.8350, 155.1963

■ 0.9818, 1.5590,
0.0000

227.9121,

■ 0.0000, 0.3297,

257.4198, 193.6626

0.0000

274.8466,
309.1157, 238.0114

■ 0.0000, 0.0000,
0.0000

■ 37.7437, 45.1318,
24.4913

■ 37.7437, 45.1318,
24.4913

■ 35.8168, 44.2579,
19.0702

■ 39.9217, 46.1127,
31.0706

■ 34.1245, 43.4796,
14.7373

■ 42.3593, 47.1992,
38.8670

■ 32.6537, 42.7933,
11.4194


■ 45.0688, 48.3981,
47.9387


■ 31.3882, 42.1924,
9.0333


■ 48.0607, 49.7134,
58.3396


■ 30.3094, 41.6695,
7.4824


■ 51.3449, 51.1491,
70.1202


 29.3943, 41.2153,
6.6473

 54.9307, 52.7090,
83.3285

 29.0128, 41.0239,
6.3893

 58.8271, 54.3967,
98.0103

 60.7391, 55.2943,
102.0793

 61.9201, 55.9031,
102.1346

Harmonies

Analogous

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



43.5776, 45.1318, 22.2950



37.7437, 45.1318, 24.4913



33.6655, 45.1318, 32.6729

Triad

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



37.7437, 45.1318, 24.4913



36.6762, 45.1318, 83.6456



55.9567, 45.1318, 51.1072

Complementary

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



37.7437, 45.1318, 24.4913



25.5728, 22.1302, 49.3806

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.



53.6770, 45.1318, 70.3794



37.7437, 45.1318, 24.4913



42.2224, 45.1318, 91.8017

Square

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



37.7437, 45.1318, 24.4913



33.0923, 45.1318, 66.1943



48.4980, 45.1318, 86.4428



54.4677, 45.1318, 35.3009

Rectangle

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



37.7437, 45.1318, 24.4913



32.2916, 45.1318, 41.7104



48.4980, 45.1318, 86.4428



55.6007, 45.1318, 57.4052

Sweetspot

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



37.7448, 45.1338, 24.4923



78.8259, 86.4563, 77.2298



32.2081, 28.9297, 21.6564



17.2137, 18.9749, 16.5244



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.



37.7448, 45.1338, 24.4923



65.5042, 80.4840, 36.1586



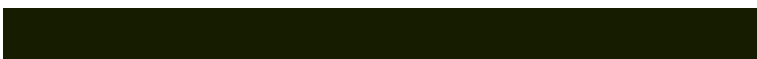
31.5480, 41.9392, 24.2023



9.5451, 10.3977, 9.6108



19.5851, 27.6328, 4.3014



0.7402, 0.9998, 0.1540

Inverse Universe

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



25.5728, 22.1302, 49.3806



40.0170, 32.2830, 88.3235



31.5807, 25.2274, 49.6618



8.7070, 8.8153, 11.3221



6.6681, 2.7487, 31.4322



0.2900, 0.1252, 1.1106

Previews

White Background



This preview shows how the XYZ color 37.7437, 45.1318, 24.4913 looks on a white background.

Color Contrast Check

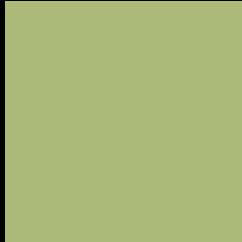
Large Text (above 18pt) WCAG AA × Fail

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 37.7437, 45.1318, 24.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

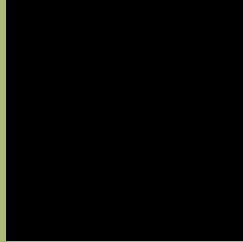
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7437, 45.1318, 24.4913

Background



This preview shows how black text looks on a background with the XYZ color 37.7437, 45.1318, 24.4913.



This preview shows how white text looks on a background with the XYZ color 37.7437, 45.1318,

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

37.7437, 45.1318, 24.4913

Protanopia

41.5791, 44.9939, 23.3229

Deuteranopia

45.8696, 44.8520, 24.9786



Tritanopia

43.9485, 44.9092, 55.6422

Trichromacy



Original Color

37.7437, 45.1318, 24.4913

Protanomaly

40.2477, 45.2030, 23.7433

Deuteranomaly

42.3269, 44.4616, 24.7634

Tritanomaly

41.2443, 44.7062, 42.0527

Monochromacy



Original Color

37.7437, 45.1318, 24.4913

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.9867, 43.0581, 36.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7437, 45.1318, 24.4913 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(171, 186, 120)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 120)  
}
```

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(171, 186, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.7437, 45.1318, 24.4913 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(171, 186, 120) }
```


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

```
.border{ border-color:rgb(171, 186, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 186, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 186, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 186, 120);  
box-shadow:4px 4px 4px 4px rgb(171, 186,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7437, 45.1318, 24.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 120) }
```

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

```
.background{ background-color: rgb(171,  
186, 120) }
```

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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