

Converting Colors

XYZ(38.0291, 45.2394, 24.5365)

Have a look what the booklet for
XYZ(38.0291, 45.2394, 24.5365)
contains.

XYZ(37.9623, 45.2445, 24.5015)	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(37.9623, 45.2445,
24.5015)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBA78
RGB	172, 186, 120
RGB Percent	67%, 73%, 47%
CMY	0.3255, 0.2706, 0.5294
CMYK	0.08, 0.00, 0.35, 0.27
HSL	73°, 32%, 60%
HSV	73°, 35%, 73%
XYZ	37.9623, 45.2445, 24.5015
YIQ	174.2900, 12.8420, -23.4940

Conversions

Conversions Part 2

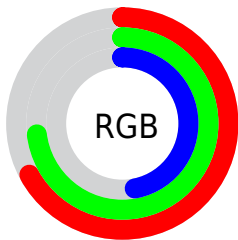
Format	Color
RYB	120, 186, 134
Decimal	11319928
CIELab	73.05, -15.63, 31.89
CIELCh	73, 35.513, 116.106
Yxy	45.2445, 0.3525, 0.4201
Android (android.graphics.Color)	4289510008 (0xFFACBA78)
YUV	174.2900, -26.7650, -2.0083
Hunter-Lab	67.2640, -16.9707, 25.4879

Details

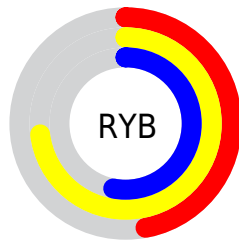
The XYZ color **37.9623, 45.2445, 24.5015** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.4126, 22.0476, 49.3731**, and the grayscale version is **40.5110, 42.6207, 46.4139**.

A 20% lighter version of the original color is **71.2899, 83.0154, 51.8014**, and **17.1008, 21.1392, 8.9733** is the 20% darker color. If you saturate the color by 10%, you get **36.0884, 44.3979, 19.0829**, and if you desaturate by 10%, it is **40.0835, 46.1961, 31.0781**.

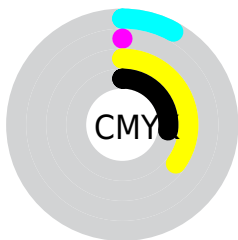
Distribution



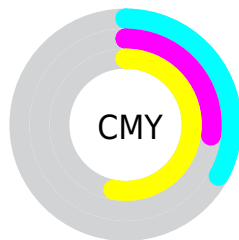
- Red (67%)
- Green (73%)
- Blue (47%)



- 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 37.9623, 45.2445, 24.5015 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 37.9623, 45.2445, 24.5015 by changing the saturation by 10% instead.


 37.9623, 45.2445,
24.5015


 37.9623, 45.2445,
24.5015


328.7419,
367.7629, 288.7140


 26.1305, 31.6501,
15.4904


 71.3546, 83.0872,
51.8014

 17.0545, 21.0943,
9.0139

 93.6459, 108.1042,
70.9273

 10.3689, 13.1930,
4.6533

 120.1543,
137.6976, 94.2619

 5.7084, 7.5616,
1.9902

151.2453,
172.2516, 122.2237

 2.7075, 3.8157,
0.5492

187.2842,
212.1508, 155.2313

 1.0011, 1.5710,
0.0000

228.6363,

 0.0000, 0.3379,

257.7795, 193.7031

0.0000

275.6671,
309.5220, 238.0579

■ 0.0000, 0.0000,
0.0000

■ 37.9623, 45.2445,
24.5015

■ 37.9623, 45.2445,
24.5015

■ 36.0884, 44.3979,
19.0829

■ 40.0835, 46.1961,
31.0781

■ 34.4454, 43.6451,
14.7523

■ 42.4606, 47.2515,
38.8717

■ 33.0203, 42.9823,
11.4365


■ 45.1057, 48.4171,
47.9404


■ 31.7968, 42.4031,
9.0524


■ 48.0294, 49.6972,
58.3381


■ 30.7566, 41.9001,
7.5034


■ 51.2414, 51.0957,
70.1153


 29.8767, 41.4640,
6.6699

 54.7510, 52.6164,
83.3201

 29.5098, 41.2802,
6.4125

 58.5672, 54.2627,
97.9981

 60.3949, 55.1169,
102.0632

 61.4875, 55.6801,
102.1143

Harmonies

Analogous

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



43.8193, 45.2445, 22.4236



37.9623, 45.2445, 24.5015



33.8373, 45.2445, 32.5538

Triad

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



37.9623, 45.2445, 24.5015



36.6848, 45.2445, 83.4347



56.0449, 45.2445, 51.6218

Complementary

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



37.9623, 45.2445, 24.5015



25.4126, 22.0476, 49.3731

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.



53.6915, 45.2445, 70.8910



37.9623, 45.2445, 24.5015



42.1980, 45.2445, 91.8438

Square

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



37.9623, 45.2445, 24.5015



33.1511, 45.2445, 65.8882



48.4724, 45.2445, 86.7770



54.6370, 45.2445, 35.7008

Rectangle

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



37.9623, 45.2445, 24.5015



32.4263, 45.2445, 41.5025



48.4724, 45.2445, 86.7770



55.6620, 45.2445, 57.9365

Sweetspot

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



37.9634, 45.2465, 24.5025



78.9602, 86.5256, 77.2361



32.0564, 28.6263, 21.6058



17.2467, 18.9919, 16.5259



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.



37.9634, 45.2465, 24.5025



65.9800, 80.7293, 36.1809



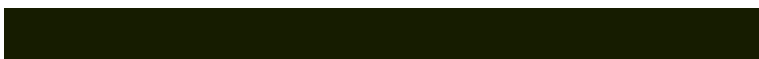
31.7321, 42.0342, 24.2108



9.5586, 10.4046, 9.6114



19.9166, 27.8037, 4.3169



0.7495, 1.0046, 0.1544

Inverse Universe

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



25.4126, 22.0476, 49.3731



39.6991, 32.1191, 88.3086



31.3487, 25.1078, 49.6509



8.6945, 8.8089, 11.3215



6.5900, 2.7085, 31.4285



0.2847, 0.1225, 1.1104

Previews

White Background



This preview shows how the XYZ color 37.9623, 45.2445, 24.5015 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 37.9623, 45.2445, 24.5015 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

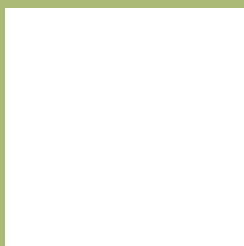
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9623, 45.2445, 24.5015

Background



This preview shows how black text looks on a background with the XYZ color 37.9623, 45.2445, 24.5015.



This preview shows how white text looks on a background with the XYZ color 37.9623, 45.2445,

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

37.9623, 45.2445, 24.5015

Protanopia

41.8367, 45.1267, 23.3349

Deuteranopia

45.8696, 44.8520, 24.9786



Tritanopia

44.1822, 45.0296, 55.6532

Trichromacy



Original Color

37.9623, 45.2445, 24.5015

Protanomaly

40.4915, 45.3287, 23.7547

Deuteranomaly

42.5914, 44.5979, 24.7758

Tritanomaly

41.4729, 44.8241, 42.0634

Monochromacy



Original Color

37.9623, 45.2445, 24.5015

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 37.9623, 45.2445, 24.5015 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(172, 186, 120)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 186, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.9623, 45.2445, 24.5015 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(172, 186, 120) }
```


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

```
.border{ border-color:rgb(172, 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(172, 186, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 186, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 186, 120);  
box-shadow:4px 4px 4px 4px rgb(172, 186,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9623, 45.2445, 24.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 120) }
```

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

```
.background{ background-color: rgb(172,  
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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