

Converting Colors

XYZ(45.1300, 45.0385, 33.1401)

Have a look what the booklet for
XYZ(45.1300, 45.0385, 33.1401)
contains.

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Color

**XYZ(45.1487, 45.1538,
33.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAEE91
RGB	204, 174, 145
RGB Percent	80%, 68%, 57%
CMY	0.2000, 0.3176, 0.4314
CMYK	0.00, 0.15, 0.29, 0.20
HSL	29°, 37%, 68%
HSV	29°, 29%, 80%
XYZ	45.1487, 45.1538, 33.1240
YIQ	179.6640, 27.1890, -2.6590

Conversions

Conversions Part 2

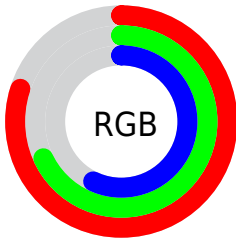
Format	Color
RYB	204, 202, 145
Decimal	13414033
CIELab	72.99, 6.54, 18.93
CIElCh	73, 20.022, 70.948
Yxy	45.1538, 0.3658, 0.3658
Android (android.graphics.Color)	4291604113 (0xFFCCA91)
YUV	179.6640, -17.0894, 21.3427
Hunter-Lab	67.1966, 2.3383, 17.8111

Details

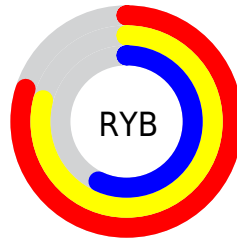
The XYZ color **45.1487, 45.1538, 33.1240** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.9057, 41.0380, 63.0501**, and the grayscale version is **43.2817, 45.5357, 49.5884**.

A 20% lighter version of the original color is **79.5681, 81.4221, 65.5552**, and **21.3743, 21.1168, 13.5391** is the 20% darker color. If you saturate the color by 10%, you get **41.7881, 40.7279, 24.9276**, and if you desaturate by 10%, it is **48.9488, 50.0063, 42.8615**.

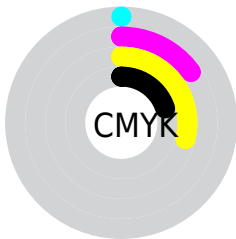
Distribution



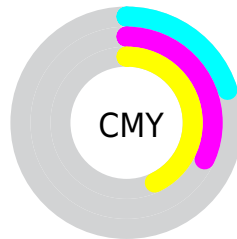
- Red (80%)
- Green (68%)
- Blue (57%)



- Red (80%)
- Yellow (79%)
- Blue (57%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (20%)



- Cyan (20%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1487, 45.1538, 33.1240 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 45.1487, 45.1538, 33.1240 by changing the saturation by 10% instead.


 45.1487, 45.1538,
33.1240

 45.1487, 45.1538,
33.1240


358.1490,
367.3961, 330.8572

 31.7763, 31.5786,
21.9496


 82.1792, 82.9512,
65.6873

 21.3454, 21.0398,
13.6219


 106.5681,
107.9421, 87.9133

 13.4906, 13.1531,
7.7224


135.3598,
137.5071, 114.6601

 7.8466, 7.5341,
3.8326

168.9197,
172.0304, 146.3465

 4.0479, 3.7983,
1.5340

207.6133,
211.8966, 183.3908

 1.7293, 1.5614,
0.2430

251.8058,

 0.4745, 0.3313,

257.4901, 226.2117

0.0000

301.8626,
309.1951, 275.2277

■ 0.0000, 0.0000,
0.0000

■ 45.1487, 45.1538,
33.1240

■ 45.1487, 45.1538,
33.1240

■ 41.7881, 40.7279,
24.9276

■ 48.9488, 50.0063,
42.8615

■ 38.8451, 36.7094,
18.1887

■ 53.2024, 55.2915,
54.2120

■ 36.3005, 33.0866,
12.8199

■ 57.9268, 61.0232,
67.2465

■ 34.1323, 29.8446,
8.7233

■ 63.1376, 67.2126,
82.0306

■ 32.3157, 26.9673,
5.7876

■ 68.8495, 73.8706,
98.6266

■ 30.8222, 24.4368,
3.8821

■ 73.0146, 80.1828,
106.2363

■ 29.6071, 22.2285,
2.7933

■ 76.0919, 86.3374,
107.2621

■ 29.4866, 22.0068,
2.6936

■ 78.7119, 91.5774,
108.1354

Harmonies

Analogous

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



48.1961, 45.1538, 37.5990



45.1487, 45.1538, 33.1240



41.6537, 45.1538, 32.5858

Triad

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



45.1487, 45.1538, 33.1240



36.6516, 45.1538, 52.9113



47.4741, 45.1538, 65.1820

Complementary

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



45.1487, 45.1538, 33.1240



37.9057, 41.0380, 63.0501

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.



44.2063, 45.1538, 70.5857



45.1487, 45.1538, 33.1240



38.0388, 45.1538, 62.8880

Square

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



45.1487, 45.1538, 33.1240



36.8733, 45.1538, 43.1458



40.7607, 45.1538, 69.6935



49.5882, 45.1538, 55.7191

Rectangle

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



45.1487, 45.1538, 33.1240



39.5533, 45.1538, 34.4364



40.7607, 45.1538, 69.6935



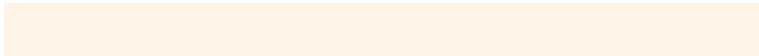
46.4669, 45.1538, 67.5879

Sweetspot

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



45.1499, 45.1559, 33.1249



87.9627, 91.3893, 89.3849



42.8130, 36.2028, 45.5385



18.5955, 19.2755, 18.5038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.1499, 45.1559, 33.1249



71.0542, 69.9124, 45.7058



51.3727, 57.6016, 35.1992



11.6601, 12.1091, 11.8022



18.6520, 14.0369, 1.7263



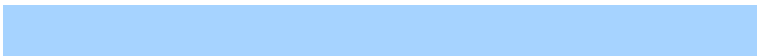
1.0381, 0.8760, 0.1144

Inverse Universe

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



37.9057, 41.0380, 63.0501



57.0488, 61.9505, 103.5586



32.8529, 30.9326, 61.3659



11.0653, 11.7711, 14.2592



10.0511, 9.1262, 37.1881



0.5944, 0.6226, 1.9438

Previews

White Background



This preview shows how the XYZ color 45.1487, 45.1538, 33.1240 looks on a white background.

Color Contrast Check

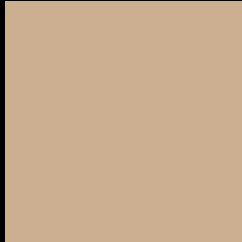
Large Text (above 18pt) WCAG AA × Fail

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 45.1487, 45.1538, 33.1240 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 45.1487, 45.1538, 33.1240

Background



This preview shows how black text looks on a background with the XYZ color 45.1487, 45.1538, 33.1240.



This preview shows how white text looks on a background with the XYZ color 45.1487, 45.1538,

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

45.1487, 45.1538, 33.1240

Protanopia

42.6218, 45.2939, 34.1000

Deuteranopia

45.8758, 44.9593, 33.0482



Tritanopia

48.6439, 45.1632, 50.4095

Trichromacy



Original Color

45.1487, 45.1538, 33.1240

Protanomaly

43.4161, 45.1217, 33.6152

Deuteranomaly

45.7865, 45.1969, 33.0987

Tritanomaly

47.4565, 45.2558, 43.7701

Monochromacy



Original Color

45.1487, 45.1538, 33.1240

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.8817, 45.4496, 43.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1487, 45.1538, 33.1240 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(204, 174, 145)` looks like.

```
.text, #text, p{  
    color:rgb(204, 174, 145)  
}
```

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(204, 174, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 174, 145) }
```

Border

The CSS property to change the border of an element to XYZ 45.1487, 45.1538, 33.1240 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(204, 174, 145) }
```


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

```
.border{ border-color:rgb(204, 174, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 174, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 174, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 174, 145);  
box-shadow:4px 4px 4px 4px rgb(204, 174,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1487, 45.1538, 33.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 174, 145) }
```

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

```
.background{ background-color: rgb(204,  
174, 145) }
```

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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