

Converting Colors

XYZ(45.6514, 44.6697, 15.4485)

Have a look what the booklet for
XYZ(45.6514, 44.6697, 15.4485)
contains.

XYZ(45.6514, 44.6697, 15.4485)	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(45.6514, 44.6697,
15.4485)**

Conversions

Conversions Part 1

Format	Color
Hex	DCAA58
RGB	220, 170, 88
RGB Percent	86%, 67%, 35%
CMY	0.1373, 0.3333, 0.6549
CMYK	0.00, 0.23, 0.60, 0.14
HSL	37°, 65%, 60%
HSV	37°, 60%, 86%
XYZ	45.6514, 44.6697, 15.4485
YIQ	175.6020, 56.1220, -14.9020

Conversions

Conversions Part 2

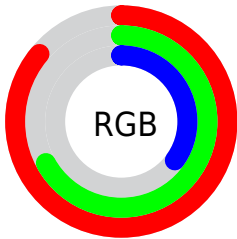
Format	Color
RYB	168, 220, 88
Decimal	14461528
CIELab	72.67, 9.35, 48.57
CIELCh	73, 49.465, 79.099
Yxy	44.6697, 0.4316, 0.4223
Android (android.graphics.Color)	4292651608 (0xFFDCAA58)
YUV	175.6020, -43.1878, 38.9370
Hunter-Lab	66.8354, 4.9611, 33.0803

Details

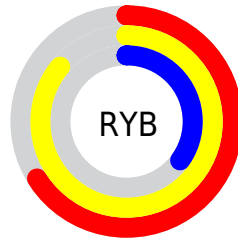
The XYZ color **45.6514, 44.6697, 15.4485** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.0308, 25.4178, 71.2440**, and the grayscale version is **41.2578, 43.4064, 47.2695**.

A 20% lighter version of the original color is **72.8988, 77.0039, 35.8320**, and **21.7127, 20.7718, 4.6152** is the 20% darker color. If you saturate the color by 10%, you get **43.3614, 41.3347, 10.8476**, and if you desaturate by 10%, it is **48.3175, 48.3170, 21.5320**.

Distribution



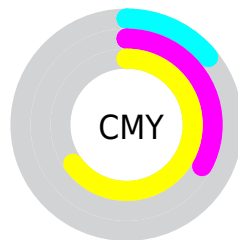
- Red (86%)
- Green (67%)
- Blue (35%)



- Red (66%)
- Yellow (86%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6514, 44.6697, 15.4485 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 45.6514, 44.6697, 15.4485 by changing the saturation by 10% instead.

 45.6514, 44.6697,
15.4485


 45.6514, 44.6697,
15.4485


360.1449,
365.4342, 237.7986

 32.1743, 31.1973,
8.9846


 82.9281, 82.2245,
36.3915

 21.6508, 20.7492,
4.6345


 107.4584,
107.0758, 51.7076

 13.7157, 12.9408,
1.9795


 136.4038,
136.4888, 70.8117

 8.0036, 7.3878,
0.5426

 170.1297,
170.8480, 94.1221

 4.1491, 3.7058,
0.0000

209.0014,
210.5378, 122.0575

 1.7868, 1.5104,
0.0000

253.3842,

 0.5097, 0.2960,

255.9424, 155.0363

0.0000

303.6436,
307.4464, 193.4772

■ 0.0000, 0.0000,
0.0000

■ 45.6514, 44.6697,
15.4485

■ 45.6514, 44.6697,
15.4485

■ 43.3614, 41.3347,
10.8476

■ 48.3175, 48.3170,
21.5320

■ 41.4169, 38.2917,
7.5912

■ 51.3806, 52.2827,
29.2141

■ 39.7866, 35.5270,
5.5196

■ 54.8638, 56.5804,
38.6022

■ 38.4148, 33.0150,
4.3479

■ 58.7870, 61.2208,
49.7937

■ 38.4147, 33.0147,
4.3478

■ 63.1689, 66.2140,
62.8785

■ 68.0269, 71.5696,
77.9404

■ 73.3774, 77.2966,
95.0582

■ 77.7524, 82.8103,
106.4937

■ 80.2168, 87.7390,
107.3152

Harmonies

Analogous

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



54.1906, 44.6697, 20.9696



45.6514, 44.6697, 15.4485



37.2887, 44.6697, 16.2761

Triad

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



45.6514, 44.6697, 15.4485



28.7077, 44.6697, 65.7780



56.1752, 44.6697, 86.5585

Complementary

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



45.6514, 44.6697, 15.4485



26.0308, 25.4178, 71.2440

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.



48.0826, 44.6697, 108.2774



45.6514, 44.6697, 15.4485



32.5529, 44.6697, 93.7583

Square

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



45.6514, 44.6697, 15.4485



28.2404, 44.6697, 40.2452



39.4156, 44.6697, 111.2832



60.7881, 44.6697, 58.1227

Rectangle

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



45.6514, 44.6697, 15.4485



32.8866, 44.6697, 20.4299



39.4156, 44.6697, 111.2832



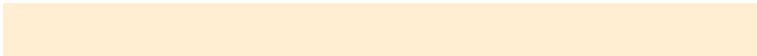
53.7248, 44.6697, 95.2438

Sweetspot

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



45.6525, 44.6719, 15.4494



83.2237, 86.7938, 72.7531



37.6361, 24.0478, 26.9316



17.4476, 18.1537, 14.5019



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.



45.6525, 44.6719, 15.4494



59.8360, 56.6116, 13.8022



52.4212, 64.8131, 18.9803



13.7264, 14.3921, 13.7801



22.6558, 19.5972, 2.5885



1.5498, 1.4337, 0.1950

Inverse Universe

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



26.0308, 25.4178, 71.2440



30.1937, 27.6062, 98.3449



22.0478, 15.0545, 69.4536



12.7408, 13.4214, 16.5712



9.5109, 6.8912, 40.5673



0.6976, 0.6094, 2.6553

Previews

White Background



This preview shows how the XYZ color 45.6514, 44.6697, 15.4485 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 45.6514, 44.6697, 15.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

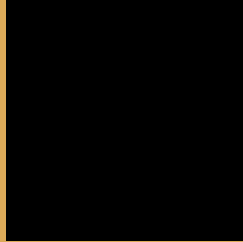
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6514, 44.6697, 15.4485

Background



This preview shows how black text looks on a background with the XYZ color 45.6514, 44.6697, 15.4485.



This preview shows how white text looks on a background with the XYZ color 45.6514, 44.6697,

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

45.6514, 44.6697, 15.4485

Protanopia

41.0344, 44.8658, 16.3948

Deuteranopia

45.6514, 44.6697, 15.4485



Tritanopia

51.7922, 44.4896, 45.3928

Trichromacy



Original Color

45.6514, 44.6697, 15.4485

Protanomaly

42.5476, 44.7680, 16.0714

Deuteranomaly

45.6514, 44.6697, 15.4485

Tritanomaly

48.8984, 44.3512, 31.5746

Monochromacy



Original Color

45.6514, 44.6697, 15.4485

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.9083, 43.4922, 32.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6514, 44.6697, 15.4485 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(220, 170, 88)` looks like.

```
.text, #text, p{  
    color:rgb(220, 170, 88)  
}
```

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(220, 170, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 170, 88) }
```

Border

The CSS property to change the border of an element to XYZ 45.6514, 44.6697, 15.4485 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(220, 170, 88) }
```


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

```
.border{ border-color:rgb(220, 170, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 170, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 170, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 170, 88);  
box-shadow:4px 4px 4px 4px rgb(220, 170,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6514, 44.6697, 15.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 170, 88) }
```

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

```
.background{ background-color: rgb(220,  
170, 88) }
```

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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