

Converting Colors

XYZ(45.2467, 42.7506, 21.5932)

Have a look what the booklet for
XYZ(45.2467, 42.7506, 21.5932)
contains.

XYZ(45.1695, 42.6486, 21.4741)	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(45.1695, 42.6486,
21.4741)**

Conversions

Conversions Part 1

Format	Color
Hex	DAA471
RGB	218, 164, 113
RGB Percent	85%, 64%, 44%
CMY	0.1451, 0.3568, 0.5569
CMYK	0.00, 0.25, 0.48, 0.15
HSL	29°, 59%, 65%
HSV	29°, 48%, 85%
XYZ	45.1695, 42.6486, 21.4741
YIQ	174.3320, 48.5550, -4.4130

Conversions

Conversions Part 2

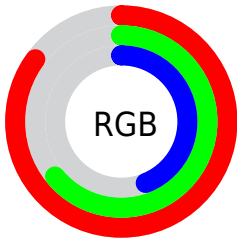
Format	Color
RYB	218, 212, 113
Decimal	14328945
CIELab	71.32, 13.83, 34.13
CIELCh	71, 36.822, 67.947
Yxy	42.6486, 0.4133, 0.3902
Android (android.graphics.Color)	4292519025 (0xFFDAA471)
YUV	174.3320, -30.2367, 38.2968
Hunter-Lab	65.3059, 9.1761, 26.2182

Details

The XYZ color **45.1695, 42.6486, 21.4741** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.2830, 36.2085, 71.5641**, and the grayscale version is **40.5370, 42.6481, 46.4438**.

A 20% lighter version of the original color is **73.3630, 74.6396, 46.1376**, and **21.4175, 19.5356, 7.4924** is the 20% darker color. If you saturate the color by 10%, you get **42.1681, 38.3798, 15.1288**, and if you desaturate by 10%, it is **48.6446, 47.3932, 29.4325**.

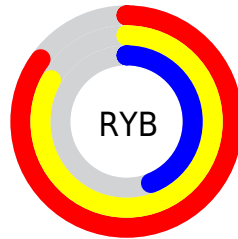
Distribution



Red (85%)

Green (64%)

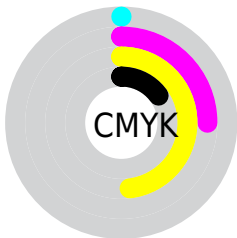
Blue (44%)



Red (85%)

Yellow (83%)

Blue (44%)

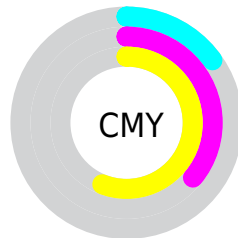


Cyan (0%)

Magenta (25%)

Yellow (48%)

Black (15%)



Cyan (15%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1695, 42.6486, 21.4741 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 45.1695, 42.6486, 21.4741 by changing the saturation by 10% instead.


 45.1695, 42.6486,
21.4741

 45.1695, 42.6486,
21.4741


358.2318,
357.1646, 272.6508

 31.7928, 29.6095,
13.2764


 82.2102, 79.1803,
46.7662


 21.3581, 19.5424,
7.4862


 106.6049,
103.4417, 64.6977

 13.4999, 12.0628,
3.6849


 135.4030,
132.2127, 86.7109

 7.8531, 6.7865,
1.4541

 168.9699,
165.8776, 113.2243

 4.0521, 3.3289,
0.1834

207.6708,
204.8208, 144.6564

 1.7316, 1.3058,
0.0000

251.8712,

 0.4760, 0.1457,

249.4268, 181.4259

0.0000

301.9364,
300.0800, 223.9511

0.0000, 0.0000,
0.0000

45.1695, 42.6486,
21.4741

45.1695, 42.6486,
21.4741

42.1681, 38.3798,
15.1288

48.6446, 47.3932,
29.4325

39.6114, 34.5628,
10.2794

52.6140, 52.6239,
39.1046

37.4712, 31.1807,
6.7969


57.1007, 58.3582,
50.5859


35.7140, 28.2119,
4.5288


62.1252, 64.6109,
63.9639


34.2930, 25.6296,
3.2545


67.7066, 71.3959,
79.3206

 34.0567, 25.1921,
3.0676

 73.8632, 78.7268,
96.7327

 78.8579, 85.9146,
107.0347

 82.3063, 92.8114,
108.1841

 82.7233, 93.6454,
108.3231

Harmonies

Analogous

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



50.6610, 42.6486, 28.4772



45.1695, 42.6486, 21.4741



38.9134, 42.6486, 20.2049

Triad

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



45.1695, 42.6486, 21.4741



29.8576, 42.6486, 51.3092



48.3015, 42.6486, 78.8233

Complementary

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



45.1695, 42.6486, 21.4741



33.2830, 36.2085, 71.5641

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.



42.2035, 42.6486, 89.0192



45.1695, 42.6486, 21.4741



31.8591, 42.6486, 70.7000

Square

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



45.1695, 42.6486, 21.4741



30.4786, 42.6486, 34.7824



36.2311, 42.6486, 85.7188



52.5937, 42.6486, 60.4416

Rectangle

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



45.1695, 42.6486, 21.4741



35.2120, 42.6486, 22.3718



36.2311, 42.6486, 85.7188



46.3717, 42.6486, 83.5099

Sweetspot

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



45.1705, 42.6507, 21.4749



84.2463, 86.7514, 79.5295



41.8169, 29.5153, 40.1738



17.7058, 18.1600, 16.1600



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.



45.1705, 42.6507, 21.4749



60.0081, 54.5416, 21.3023



56.5139, 65.3374, 25.2561



13.5755, 14.0904, 13.7298



20.5105, 15.3065, 1.8734



1.4148, 1.1637, 0.1501

Inverse Universe

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



33.2830, 36.2085, 71.5641



41.0910, 44.2832, 100.9895



25.5676, 20.7777, 68.9923



12.8896, 13.7190, 16.6208



11.1680, 10.2055, 41.1196



0.8097, 0.8335, 2.6927

Previews

White Background



This preview shows how the XYZ color 45.1695, 42.6486, 21.4741 looks on a white background.

Color Contrast Check

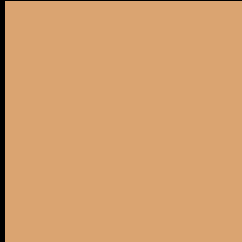
Large Text (above 18pt) WCAG AA × Fail

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 45.1695, 42.6486, 21.4741 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 45.1695, 42.6486, 21.4741

Background



This preview shows how black text looks on a background with the XYZ color 45.1695, 42.6486, 21.4741.



This preview shows how white text looks on a background with the XYZ color 45.1695, 42.6486,

21.4741.

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

45.1695, 42.6486, 21.4741

Protanopia

39.7761, 42.8914, 23.0121

Deuteranopia

43.6073, 42.6562, 21.2643



Tritanopia

49.6498, 42.6665, 43.1547

Trichromacy



Original Color

45.1695, 42.6486, 21.4741

Protanomaly

41.5347, 42.6661, 22.5693

Deuteranomaly

44.2924, 42.7384, 21.2441

Tritanomaly

47.8144, 42.6837, 34.1525

Monochromacy



Original Color

45.1695, 42.6486, 21.4741

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.2774, 41.9636, 35.6300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1695, 42.6486, 21.4741 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(218, 164, 113)` looks like.

```
.text, #text, p{  
    color:rgb(218, 164, 113)  
}
```

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(218, 164, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 164, 113) }
```

Border

The CSS property to change the border of an element to XYZ 45.1695, 42.6486, 21.4741 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(218, 164, 113) }
```


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

```
.border{ border-color:rgb(218, 164, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 164, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(218, 164,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1695, 42.6486, 21.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 164, 113) }
```

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

```
.background{ background-color: rgb(218,  
164, 113) }
```

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