

Converting Colors

XYZ(45.1975, 50.0790, 7.2840)

Have a look what the booklet for
XYZ(45.1975, 50.0790, 7.2840)
contains.

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Color

**XYZ(45.1346, 49.9635,
7.2651)**

Conversions

Conversions Part 1

Format	Color
Hex	D4BC00
RGB	212, 188, 0
RGB Percent	83%, 74%, 0%
CMY	0.1686, 0.2627, 0.9999
CMYK	0.00, 0.11, 1.00, 0.17
HSL	53°, 100%, 42%
HSV	53°, 100%, 83%
XYZ	45.1346, 49.9635, 7.2651
YIQ	173.7440, 74.6520, -53.3800

Conversions

Conversions Part 2

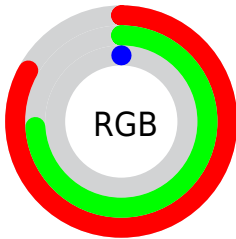
Format	Color
RYB	27, 212, 0
Decimal	13941760
CIELab	76.05, -6.67, 77.58
CIELCh	76, 77.868, 94.912
Yxy	49.9635, 0.4409, 0.4881
Android (android.graphics.Color)	4292131840 (0xFFD4BC00)
YUV	173.7440, -85.6558, 33.5505
Hunter-Lab	70.6849, -9.7204, 43.3855

Details

The XYZ color **45.1346, 49.9635, 7.2651** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed orange. A complement of this color would be **12.2108, 5.4074, 62.6870**, and the grayscale version is **40.5020, 42.6113, 46.4037**.

A 20% lighter version of the original color is **75.1137, 86.5706, 20.7335**, and **21.6129, 24.0033, 3.4940** is the 20% darker color. If you saturate the color by 10%, you get **45.1351, 49.9648, 7.2653**, and if you desaturate by 10%, it is **45.7900, 51.0547, 8.1614**.

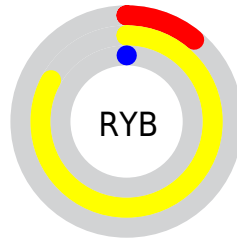
Distribution



Red (83%)

Green (74%)

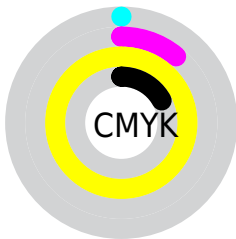
Blue (0%)



Red (11%)

Yellow (83%)

Blue (0%)

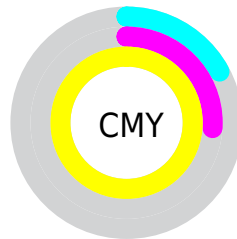


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1346, 49.9635, 7.2651 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 45.1346, 49.9635, 7.2651 by changing the saturation by 10% instead.


 45.1346, 49.9635,
7.2651


 45.1346, 49.9635,
7.2651


358.0930,
386.5232, 179.5623


 31.7652, 35.3844,
3.5475


 82.1582, 90.1208,
21.0265

 21.3369, 23.9591,
1.3805


 106.5431,
116.4678, 31.9073

 13.4843, 15.3033,
0.1265


 135.3305,
147.5062, 46.0129

 7.8422, 9.0325,
0.0000

 168.8858,
183.6204, 63.7619

 4.0451, 4.7624,
0.0000

 207.5743,
225.1948, 85.5728

 1.7277, 2.1085,
0.0000

 251.7614,

 0.4735, 0.6694,

272.6138, 111.8642

0.0000

301.8125,
326.2618, 143.0545

■ 0.0000, 0.0000,
0.0000

■ 45.1346, 49.9635,
7.2651

■ 45.1346, 49.9635,
7.2651

■ 45.1351, 49.9648,
7.2653

■ 45.7900, 51.0547,
8.1614

■ 46.6035, 52.2209,
9.8536

■ 47.6268, 53.4847,
12.6076

■ 48.8875, 54.8574,
16.5690

■ 50.4089, 56.3483,
21.8609

■ 52.2116, 57.9656,
28.5909

■ 54.3140, 59.7168,
36.8558

■ 56.7329, 61.6087,
46.7440

■ 59.4839, 63.6476,
58.3370

Harmonies

Analogous

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



60.3584, 49.9635, 9.3320



45.1346, 49.9635, 7.2651



33.2164, 49.9635, 11.6129

Triad

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



45.1346, 49.9635, 7.2651



28.0522, 49.9635, 114.3063



77.5797, 49.9635, 95.9092

Complementary

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



45.1346, 49.9635, 7.2651



12.2108, 5.4074, 62.6870

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.



65.3562, 49.9635, 150.0331



45.1346, 49.9635, 7.2651



36.5924, 49.9635, 163.9258

Square

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



45.1346, 49.9635, 7.2651



24.7230, 49.9635, 61.5507



49.9235, 49.9635, 179.5442



81.1496, 49.9635, 47.8289

Rectangle

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



45.1346, 49.9635, 7.2651



28.0869, 49.9635, 20.1327



49.9235, 49.9635, 179.5442



74.2395, 49.9635, 114.6369

Sweetspot

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



45.1357, 49.9659, 7.2661



82.3858, 90.6137, 55.5312



27.3242, 14.0665, 2.1807



17.3319, 19.1476, 10.6854



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.



45.1357, 49.9659, 7.2661



68.4736, 75.7273, 11.0079



32.8634, 51.8913, 8.2846



13.3472, 14.2687, 13.2114



27.9111, 30.9394, 4.5008



1.7184, 1.9359, 0.2831

Inverse Universe

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



12.2108, 5.4074, 62.6870



18.4860, 8.0920, 95.1953



15.3012, 6.5156, 62.7380



11.8547, 12.2328, 15.6739



7.5750, 3.4118, 38.7125



0.4958, 0.2835, 2.3479

Previews

White Background



This preview shows how the XYZ color 45.1346, 49.9635, 7.2651 looks on a white background.

Color Contrast Check

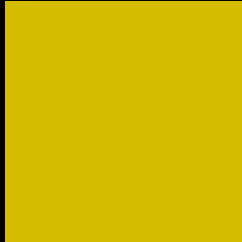
Large Text (above 18pt) WCAG AA × Fail

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 45.1346, 49.9635, 7.2651 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 45.1346, 49.9635, 7.2651

Background



This preview shows how black text looks on a background with the XYZ color 45.1346, 49.9635, 7.2651.

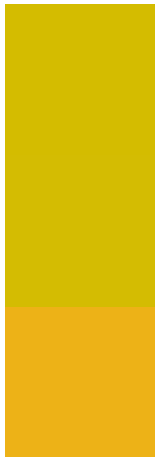


This preview shows how white text looks on a background with the XYZ color 45.1346, 49.9635,

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

45.1346, 49.9635, 7.2651

Protanopia

45.1456, 49.9679, 7.3228

Deuteranopia

51.0001, 49.9072, 7.7557



Tritanopia

54.8385, 49.9788, 54.3335

Trichromacy



Original Color

45.1346, 49.9635, 7.2651

Protanomaly

45.1401, 49.9657, 7.2939

Deuteranomaly

48.8091, 49.9844, 7.5274

Tritanomaly

48.9248, 49.0587, 24.6599

Monochromacy



Original Color

45.1346, 49.9635, 7.2651

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.7284, 44.0793, 21.4532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1346, 49.9635, 7.2651 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(212, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 188, 0)  
}
```

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(212, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 188, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.1346, 49.9635, 7.2651 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(212, 188, 0) }
```


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

```
.border{ border-color:rgb(212, 188, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 188,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1346, 49.9635, 7.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 188, 0) }
```

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

```
.background{ background-color: rgb(212,  
188, 0) }
```

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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