

Converting Colors

XYZ(46.6437, 45.1137, 17.5598)

Have a look what the booklet for
XYZ(46.6437, 45.1137, 17.5598)
contains.

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Color

**XYZ(46.6566, 45.1421,
17.5635)**

Conversions

Conversions Part 1

Format	Color
Hex	DEAA61
RGB	222, 170, 97
RGB Percent	87%, 67%, 38%
CMY	0.1294, 0.3333, 0.6196
CMYK	0.00, 0.23, 0.56, 0.13
HSL	35°, 65%, 63%
HSV	35°, 56%, 87%
XYZ	46.6566, 45.1421, 17.5635
YIQ	177.2260, 54.4250, -11.6790

Conversions

Conversions Part 2

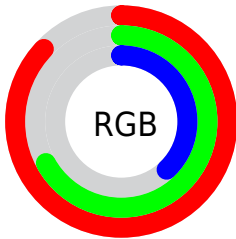
Format	Color
R _Y B	186, 222, 97
Decimal	14592609
CIE Lab	72.99, 10.86, 44.55
CIE LCh	73, 45.857, 76.295
Yxy	45.1421, 0.4266, 0.4128
Android (android.graphics.Color)	4292782689 (0xFFDEAA61)
YUV	177.2260, -39.5514, 39.2668
Hunter-Lab	67.1879, 6.3752, 31.5326

Details

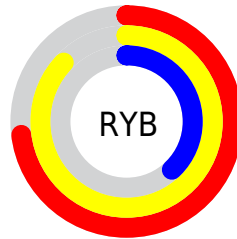
The XYZ color **46.6566, 45.1421, 17.5635** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.8616, 29.3090, 73.2430**, and the grayscale version is **42.0912, 44.2832, 48.2244**.

A 20% lighter version of the original color is **73.5900, 77.2804, 39.4718**, and **22.3014, 21.0546, 5.5779** is the 20% darker color. If you saturate the color by 10%, you get **44.0923, 41.4448, 12.2969**, and if you desaturate by 10%, it is **49.6343, 49.2028, 24.3976**.

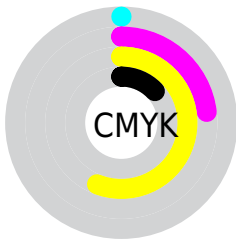
Distribution



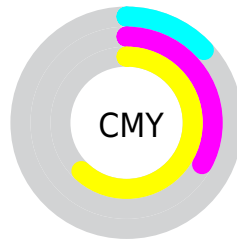
- Red (87%)
- Green (67%)
- Blue (38%)



- Red (73%)
- Yellow (87%)
- Blue (38%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)
- Black (13%)




- Cyan (13%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6566, 45.1421, 17.5635 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 46.6566, 45.1421, 17.5635 by changing the saturation by 10% instead.


 46.6566, 45.1421,
17.5635


 46.6566, 45.1421,
17.5635


364.1140,
367.3488, 250.5520

 32.9711, 31.5694,
10.4709


 84.4227, 82.9336,
40.0960


 22.2634, 21.0328,
5.6026


 109.2339,
107.9212, 56.3729

 14.1683, 13.1480,
2.5401


 138.4845,
137.4825, 76.5483

 8.3203, 7.5305,
0.8613

 172.5397,
172.0019, 101.0408

 4.3541, 3.7960,
0.0000

211.7649,
211.8638, 130.2689

 1.9043, 1.5601,
0.0000

256.5254,

 0.5794, 0.3305,

257.4527, 164.6511

0.0000

307.1867,
309.1529, 204.6059

■ 0.0000, 0.0000,
0.0000

■ 46.6566, 45.1421,
17.5635

■ 46.6566, 45.1421,
17.5635

■ 44.0923, 41.4448,
12.2969

■ 49.6343, 49.2028,
24.3976

■ 41.9109, 38.0895,
8.4635

■ 53.0465, 53.6341,
32.9130

■ 40.0818, 35.0617,
5.9104

■ 56.9166, 58.4506,
43.2161

■ 38.5660, 32.3414,
4.4454

■ 61.2650, 63.6643,
55.4035

■ 38.0612, 31.4037,
4.0555

■ 66.1108, 69.2863,
69.5650

■ 71.4720, 75.3272,
85.7843

■ 77.3655, 81.7973,
104.1406

■ 80.4887, 87.3787,
107.2313

■ 83.3354, 93.0722,
108.1802

Harmonies

Analogous

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



54.4420, 45.1421, 23.6793



46.6566, 45.1421, 17.5635



38.7315, 45.1421, 17.8244

Triad

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



46.6566, 45.1421, 17.5635



29.7653, 45.1421, 62.5844



55.0205, 45.1421, 86.3269

Complementary

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



46.6566, 45.1421, 17.5635



28.8616, 29.3090, 73.2430

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.



47.3706, 45.1421, 104.7525



46.6566, 45.1421, 17.5635



33.1272, 45.1421, 88.3935

Square

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



46.6566, 45.1421, 17.5635



29.6244, 45.1421, 39.4318



39.3624, 45.1421, 105.6086



59.6612, 45.1421, 60.3513

Rectangle

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



46.6566, 45.1421, 17.5635



34.4261, 45.1421, 21.4997



39.3624, 45.1421, 105.6086



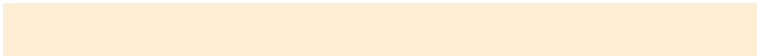
52.6757, 45.1421, 93.9196

Sweetspot

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



46.6577, 45.1443, 17.5644



83.3545, 86.5458, 74.3679



39.8305, 26.2519, 31.4370



17.5742, 18.2075, 15.1585



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.



46.6577, 45.1443, 17.5644



59.6551, 55.6777, 15.5058



55.3103, 67.0406, 21.3348



14.3690, 15.0239, 14.4494



22.7198, 18.8775, 2.4463



1.6626, 1.4840, 0.1988

Inverse Universe

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



28.8616, 29.3090, 73.2430



33.0056, 32.0172, 99.0481



23.5735, 16.9755, 71.1411



13.4181, 14.1753, 17.4166



10.2264, 7.9224, 42.0386



0.7957, 0.7229, 2.9428

Previews

White Background



This preview shows how the XYZ color 46.6566, 45.1421, 17.5635 looks on a white background.

Color Contrast Check

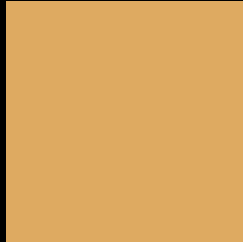
Large Text (above 18pt) WCAG AA × Fail

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 46.6566, 45.1421, 17.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

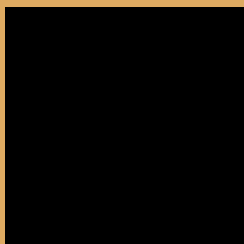
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6566, 45.1421, 17.5635

Background



This preview shows how black text looks on a background with the XYZ color 46.6566, 45.1421, 17.5635.



This preview shows how white text looks on a background with the XYZ color 46.6566, 45.1421,

17.5635.

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

46.6566, 45.1421, 17.5635

Protanopia

41.6475, 45.4329, 18.6310

Deuteranopia

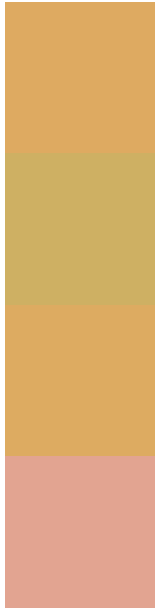
46.2358, 45.2045, 17.5977



Tritanopia

52.2826, 45.0008, 45.4656

Trichromacy



Original Color

46.6566, 45.1421, 17.5635

Protanomaly

43.2311, 45.0733, 18.2259

Deuteranomaly

46.5394, 45.3610, 17.6119

Tritanomaly

49.7503, 44.7640, 32.8063

Monochromacy



Original Color

46.6566, 45.1421, 17.5635

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.4737, 43.7477, 34.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6566, 45.1421, 17.5635 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(222, 170, 97)` looks like.

```
.text, #text, p{  
    color:rgb(222, 170, 97)  
}
```

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(222, 170, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 170, 97) }
```

Border

The CSS property to change the border of an element to XYZ 46.6566, 45.1421, 17.5635 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(222, 170, 97) }
```


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

```
.border{ border-color:rgb(222, 170, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 170, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 170, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 170, 97);  
box-shadow:4px 4px 4px 4px rgb(222, 170,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6566, 45.1421, 17.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 170, 97) }
```

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

```
.background{ background-color: rgb(222,  
170, 97) }
```

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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