

Converting Colors

XYZ(46.8066, 45.5640, 13.6374)

Have a look what the booklet for
XYZ(46.8066, 45.5640, 13.6374)
contains.

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Color

**XYZ(46.7147, 45.5376,
13.7246)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AB4F
RGB	224, 171, 79
RGB Percent	88%, 67%, 31%
CMY	0.1216, 0.3294, 0.6902
CMYK	0.00, 0.24, 0.65, 0.12
HSL	38°, 70%, 59%
HSV	38°, 65%, 88%
XYZ	46.7147, 45.5376, 13.7246
YIQ	176.3590, 61.1200, -17.3760

Conversions

Conversions Part 2

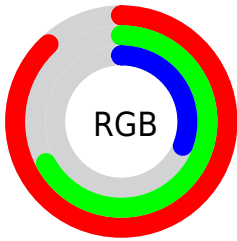
Format	Color
RYB	163, 224, 79
Decimal	14723919
CIELab	73.24, 9.91, 53.59
CIELCh	73, 54.500, 79.522
Yxy	45.5376, 0.4408, 0.4297
Android (android.graphics.Color)	4292913999 (0xFFE0AB4F)
YUV	176.3590, -47.9980, 41.7812
Hunter-Lab	67.4816, 5.4755, 35.1785

Details

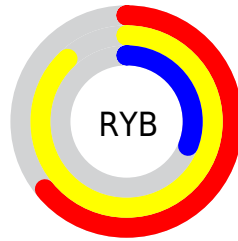
The XYZ color **46.7147, 45.5376, 13.7246** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.9299, 23.5457, 73.7516**, and the grayscale version is **41.6759, 43.8463, 47.7486**.

A 20% lighter version of the original color is **72.5331, 77.2914, 32.5686**, and **22.2893, 21.2632, 3.8491** is the 20% darker color. If you saturate the color by 10%, you get **44.5341, 42.2689, 9.6306**, and if you desaturate by 10%, it is **49.2678, 49.1122, 19.2985**.

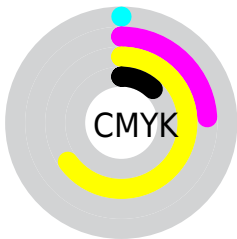
Distribution



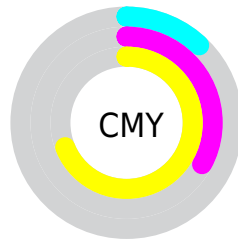
- Red (88%)
- Green (67%)
- Blue (31%)



- Red (64%)
- Yellow (88%)
- Blue (31%)



- Cyan (0%)
- Magenta (24%)
- Yellow (65%)
- Black (12%)



- Cyan (12%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7147, 45.5376, 13.7246 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 46.7147, 45.5376, 13.7246 by changing the saturation by 10% instead.

46.7147, 45.5376,
13.7246

46.7147, 45.5376,
13.7246

364.3425,
368.9465, 226.8793

33.0172, 31.8811,
7.7928

84.5089, 83.5266,
33.3096

22.2989, 21.2707,
3.8768

109.3364,
108.6278, 47.8000

14.1945, 13.3220,
1.5580

138.6045,
138.3127, 65.9802

8.3387, 7.6507,
0.2606

172.6786,
172.9657, 88.2689

4.3660, 3.8722,
0.0000

211.9241,
212.9712, 115.0847

1.9112, 1.6024,
0.0000

256.7064,

0.5834, 0.3592,

258.7136, 146.8459

0.0000

307.3907,
310.5772, 183.9713

■ 0.0000, 0.0000,
0.0000

■ 46.7147, 45.5376,
13.7246

■ 46.7147, 45.5376,
13.7246

■ 44.5341, 42.2689,
9.6306

■ 49.2678, 49.1122,
19.2985

■ 42.6923, 39.2844,
6.8613

■ 52.2169, 52.9993,
26.4811

■ 41.1532, 36.5687,
5.2310

■ 55.5867, 57.2133,
35.3903

■ 40.4330, 35.2325,
4.6695

■ 59.3987, 61.7653,
46.1319

■ 63.6730, 66.6658,
58.8034

■ 68.4282, 71.9246,
73.4951

■ 73.6816, 77.5512,
90.2918

■ 78.9300, 83.3465,
106.5352

■ 81.3481, 88.1827,
107.3412

Harmonies

Analogous

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



56.3563, 45.5376, 19.3347



46.7147, 45.5376, 13.7246



37.4212, 45.5376, 14.6582

Triad

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



46.7147, 45.5376, 13.7246



28.1556, 45.5376, 69.3542



58.8375, 45.5376, 92.2508

Complementary

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



46.7147, 45.5376, 13.7246



24.9299, 23.5457, 73.7516

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.



49.7251, 45.5376, 117.6615



46.7147, 45.5376, 13.7246



32.4046, 45.5376, 101.4247

Square

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



46.7147, 45.5376, 13.7246



27.5957, 45.5376, 40.6050



40.0220, 45.5376, 121.5282



64.0088, 45.5376, 59.7948

Rectangle

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



46.7147, 45.5376, 13.7246



32.5990, 45.5376, 19.0344



40.0220, 45.5376, 121.5282



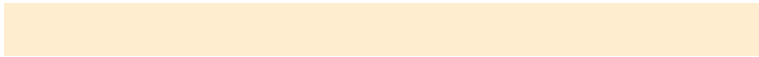
56.0762, 45.5376, 102.3387

Sweetspot

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



46.7158, 45.5398, 13.7255



82.8165, 86.4809, 71.0710



37.7129, 23.1101, 24.3632



17.3759, 18.1076, 14.1779



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.



46.7158, 45.5398, 13.7255



58.7469, 55.1278, 11.2986



53.1519, 66.8075, 17.4913



14.4286, 15.1432, 14.4692



23.6481, 20.7341, 2.7557



1.7235, 1.6059, 0.2191

Inverse Universe

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



24.9299, 23.5457, 73.7516



27.5097, 23.7100, 97.7343



21.3239, 13.5895, 72.0199



13.3602, 14.0595, 17.3973



9.6823, 6.8341, 41.8572



0.7544, 0.6403, 2.9291

Previews

White Background



This preview shows how the XYZ color 46.7147, 45.5376, 13.7246 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 46.7147, 45.5376, 13.7246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

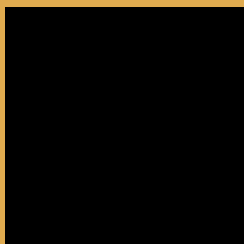
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7147, 45.5376, 13.7246

Background



This preview shows how black text looks on a background with the XYZ color 46.7147, 45.5376, 13.7246.



This preview shows how white text looks on a background with the XYZ color 46.7147, 45.5376,

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

46.7147, 45.5376, 13.7246

Protanopia

41.6637, 45.5311, 14.5751

Deuteranopia

46.4056, 45.3783, 13.7102



Tritanopia

53.2427, 45.4958, 45.5105

Trichromacy



Original Color

46.7147, 45.5376, 13.7246

Protanomaly

43.5018, 45.5937, 14.2922

Deuteranomaly

46.4056, 45.3783, 13.7102

Tritanomaly

50.1102, 45.2683, 30.5227

Monochromacy



Original Color

46.7147, 45.5376, 13.7246

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.9361, 43.5326, 31.3917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7147, 45.5376, 13.7246 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(224, 171, 79)` looks like.

```
.text, #text, p{  
    color:rgb(224, 171, 79)  
}
```

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(224, 171, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 171, 79) }
```

Border

The CSS property to change the border of an element to XYZ 46.7147, 45.5376, 13.7246 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(224, 171, 79) }
```


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

```
.border{ border-color:rgb(224, 171, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 171, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 171, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 171, 79);  
box-shadow:4px 4px 4px 4px rgb(224, 171,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7147, 45.5376, 13.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 171, 79) }
```

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

```
.background{ background-color: rgb(224,  
171, 79) }
```

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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