

Converting Colors

XYZ(46.2053, 44.9971, 11.3185)

Have a look what the booklet for
XYZ(46.2053, 44.9971, 11.3185)
contains.

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Color

**XYZ(46.3802, 45.1387,
11.2692)**

Conversions

Conversions Part 1

Format	Color
Hex	E1AA41
RGB	225, 170, 65
RGB Percent	88%, 67%, 25%
CMY	0.1177, 0.3333, 0.7451
CMYK	0.00, 0.24, 0.71, 0.12
HSL	39°, 73%, 57%
HSV	39°, 71%, 88%
XYZ	46.3802, 45.1387, 11.2692
YIQ	174.4750, 66.4850, -20.9950

Conversions

Conversions Part 2

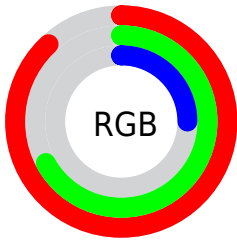
Format	Color
RYB	149, 225, 65
Decimal	14789185
CIELab	72.98, 10.09, 59.52
CIELCh	73, 60.367, 80.374
Yxy	45.1387, 0.4512, 0.4391
Android (android.graphics.Color)	4292979265 (0xFFE1AA41)
YUV	174.4750, -53.9712, 44.3104
Hunter-Lab	67.1853, 5.6499, 37.0848

Details

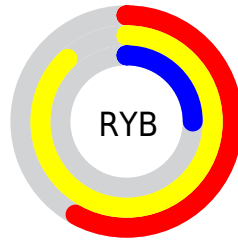
The XYZ color **46.3802, 45.1387, 11.2692** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.4868, 19.9922, 73.9073**, and the grayscale version is **40.7232, 42.8439, 46.6571**.

A 20% lighter version of the original color is **71.4352, 76.4184, 28.1247**, and **21.9955, 20.9562, 2.8857** is the 20% darker color. If you saturate the color by 10%, you get **44.4465, 42.1151, 8.0245**, and if you desaturate by 10%, it is **48.6607, 48.4412, 15.9104**.

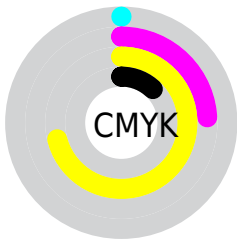
Distribution



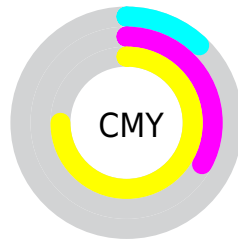
- Red (88%)
- Green (67%)
- Blue (25%)



- Red (58%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (24%)
- Yellow (71%)
- Black (12%)



- Cyan (12%)
- Magenta (33%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3802, 45.1387, 11.2692 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 46.3802, 45.1387, 11.2692 by changing the saturation by 10% instead.

46.3802, 45.1387,
11.2692

46.3802, 45.1387,
11.2692

363.0254,
367.3350, 210.3085

32.7518, 31.5667,
6.1318

84.0121, 82.9285,
28.8011

22.0947, 21.0307,
2.8553

108.7464,
107.9151, 42.0327

14.0435, 13.1465,
1.0212

137.9133,
137.4753, 58.7994

8.2328, 7.5295,
0.0000

171.8782,
171.9936, 79.5197

4.2974, 3.7954,
0.0000

211.0066,
211.8543, 104.6123

1.8717, 1.5598,
0.0000

255.6636,

0.5603, 0.3303,

257.4419, 134.4955

0.0000

306.2148,
309.1406, 169.5881

■ 0.0000, 0.0000,
0.0000

■ 46.3802, 45.1387,
11.2692

■ 46.3802, 45.1387,
11.2692

■ 44.4465, 42.1151,
8.0245

■ 48.6607, 48.4412,
15.9104

■ 42.8222, 39.3475,
5.9998

■ 51.3139, 52.0296,
22.0910

■ 41.5883, 37.0819,
4.9656

■ 54.3662, 55.9187,
29.9388

■ 57.8405, 60.1197,
39.5675

■ 61.7577, 64.6430,
51.0808

■ 66.1372, 69.4986,
64.5742

■ 70.9971, 74.6956,
80.1370

■ 76.3544, 80.2429,
97.8526

■ 80.1460, 85.3173,
106.8515

Harmonies

Analogous

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



57.1630, 45.1387, 16.6372



46.3802, 45.1387, 11.2692



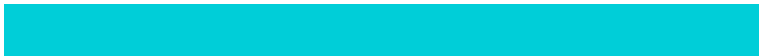
36.2296, 45.1387, 12.3561

Triad

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



46.3802, 45.1387, 11.2692



26.5768, 45.1387, 72.2403



60.4740, 45.1387, 96.2116

Complementary

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



46.3802, 45.1387, 11.2692



22.4868, 19.9922, 73.9073

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.



50.3493, 45.1387, 126.0631



46.3802, 45.1387, 11.2692



31.2367, 45.1387, 108.7453

Square

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



46.3802, 45.1387, 11.2692



25.8694, 45.1387, 40.0717



39.6041, 45.1387, 131.4076



66.1350, 45.1387, 59.5016

Rectangle

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



46.3802, 45.1387, 11.2692



31.0729, 45.1387, 16.8750



39.6041, 45.1387, 131.4076



57.4089, 45.1387, 107.9200

Sweetspot

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



46.3812, 45.1409, 11.2701



82.0024, 85.8318, 67.7815



36.3929, 21.1689, 20.2577



17.2294, 18.0047, 13.5432



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.



46.3812, 45.1409, 11.2701



58.0162, 54.2462, 9.2677



51.9666, 66.6492, 15.1272



14.4544, 15.1948, 14.4778



24.0780, 21.5940, 2.8990



1.7513, 1.6615, 0.2284

Inverse Universe

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



22.4868, 19.9922, 73.9073



24.7359, 19.3914, 97.0469



19.6011, 11.3412, 72.3896



13.3353, 14.0097, 17.3890



9.4725, 6.4145, 41.7872



0.7379, 0.6074, 2.9236

Previews

White Background



This preview shows how the XYZ color 46.3802, 45.1387, 11.2692 looks on a white background.

Color Contrast Check

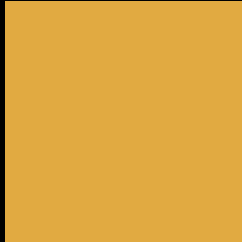
Large Text (above 18pt) WCAG AA × Fail

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 46.3802, 45.1387, 11.2692 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 46.3802, 45.1387, 11.2692

Background



This preview shows how black text looks on a background with the XYZ color 46.3802, 45.1387, 11.2692.



This preview shows how white text looks on a background with the XYZ color 46.3802, 45.1387,

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

46.3802, 45.1387, 11.2692

Protanopia

41.1841, 45.3392, 12.0496

Deuteranopia

46.0693, 44.9784, 11.2546



Tritanopia

53.0275, 44.8924, 44.3983

Trichromacy



Original Color

46.3802, 45.1387, 11.2692

Protanomaly

42.8329, 45.0112, 11.7407

Deuteranomaly

46.0693, 44.9784, 11.2546

Tritanomaly

49.5751, 44.5183, 27.8098

Monochromacy



Original Color

46.3802, 45.1387, 11.2692

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.2390, 42.9458, 28.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3802, 45.1387, 11.2692 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(225, 170, 65)` looks like.

```
.text, #text, p{  
    color:rgb(225, 170, 65)  
}
```

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(225, 170, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 170, 65) }
```

Border

The CSS property to change the border of an element to XYZ 46.3802, 45.1387, 11.2692 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(225, 170, 65) }
```


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

```
.border{ border-color:rgb(225, 170, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 170, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 170, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 170, 65);  
box-shadow:4px 4px 4px 4px rgb(225, 170,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3802, 45.1387, 11.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 170, 65) }
```

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

```
.background{ background-color: rgb(225,  
170, 65) }
```

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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