

Converting Colors

XYZ(46.2863, 46.0992, 12.1035)

Have a look what the booklet for
XYZ(46.2863, 46.0992, 12.1035)
contains.

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Color

**XYZ(46.3344, 46.2314,
12.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	DEAE45
RGB	222, 174, 69
RGB Percent	87%, 68%, 27%
CMY	0.1294, 0.3176, 0.7294
CMYK	0.00, 0.22, 0.69, 0.13
HSL	41°, 70%, 57%
HSV	41°, 69%, 87%
XYZ	46.3344, 46.2314, 12.1117
YIQ	176.3820, 62.3130, -22.4790

Conversions

Conversions Part 2

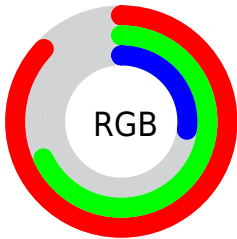
Format	Color
RYB	139, 222, 69
Decimal	14593605
CIELab	73.70, 6.89, 58.46
CIELCh	74, 58.866, 83.274
Yxy	46.2314, 0.4426, 0.4417
Android (android.graphics.Color)	4292783685 (0xFFDEAE45)
YUV	176.3820, -52.9393, 40.0070
Hunter-Lab	67.9937, 2.6502, 37.0343

Details

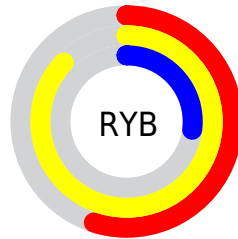
The XYZ color **46.3344, 46.2314, 12.1117** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.0000, 19.2609, 71.6649**, and the grayscale version is **41.7127, 43.8850, 47.7907**.

A 20% lighter version of the original color is **72.7722, 78.7038, 29.7682**, and **22.0967, 21.7187, 3.1998** is the 20% darker color. If you saturate the color by 10%, you get **44.4595, 43.3861, 8.6996**, and if you desaturate by 10%, it is **48.5388, 49.3239, 16.9057**.

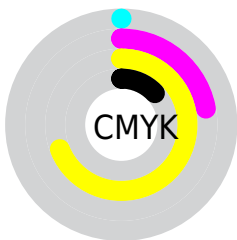
Distribution



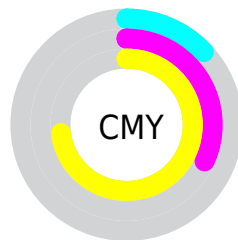
- Red (87%)
- Green (68%)
- Blue (27%)



- Red (55%)
- Yellow (87%)
- Blue (27%)



- Cyan (0%)
- Magenta (22%)
- Yellow (69%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3344, 46.2314, 12.1117 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 46.3344, 46.2314, 12.1117 by changing the saturation by 10% instead.

■ 46.3344, 46.2314,
12.1117

■ 46.3344, 46.2314,
12.1117

362.8449,
371.7382, 216.1475

■ 32.7155, 32.4285,
6.6963

■ 83.9440, 84.5652,
30.3658

■ 22.0668, 21.6890,
3.1974

■ 108.6655,
109.8649, 44.0416

■ 14.0229, 13.6285,
1.1963

■ 137.8186,
139.7655, 61.3080

■ 8.2184, 7.8628,
0.0000

■ 171.7685,
174.6516, 82.5835

■ 4.2880, 4.0073,
0.0000

■ 210.8808,
214.9076, 108.2867

■ 1.8663, 1.6776,
0.0000

255.5207,

■ 0.5571, 0.4091,

260.9177, 138.8360

0.0000

306.0536,
313.0664, 174.6501

■ 0.0000, 0.0000,
0.0000

■ 46.3344, 46.2314,
12.1117

■ 46.3344, 46.2314,
12.1117

■ 44.4595, 43.3861,
8.6996

■ 48.5388, 49.3239,
16.9057

■ 42.8796, 40.7668,
6.5062

■ 51.0964, 52.6690,
23.2151

■ 41.5471, 38.3547,
5.2825

■ 54.0319, 56.2802,
31.1603

■ 41.4108, 38.1032,
5.1721

■ 57.3666, 60.1674,
40.8488

■ 61.1201, 64.3402,
52.3791

■ 65.3106, 68.8072,
65.8420

■ 69.9549, 73.5767,
81.3224

■ 75.0693, 78.6566,
98.9002

■ 78.3658, 83.1332,
106.5237

Harmonies

Analogous

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



57.0700, 46.2314, 16.8918



46.3344, 46.2314, 12.1117



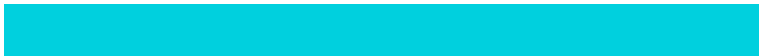
36.4781, 46.2314, 13.8450

Triad

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



46.3344, 46.2314, 12.1117



27.9620, 46.2314, 76.6395



62.0723, 46.2314, 93.1304

Complementary

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



46.3344, 46.2314, 12.1117



22.0000, 19.2609, 71.6649

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.



52.3593, 46.2314, 123.7609



46.3344, 46.2314, 12.1117



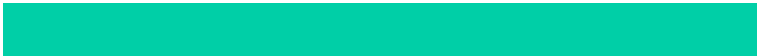
32.9987, 46.2314, 111.8980

Square

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



46.3344, 46.2314, 12.1117



26.8703, 46.2314, 43.9016



41.6326, 46.2314, 131.7265



67.0411, 46.2314, 57.3749

Rectangle

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



46.3344, 46.2314, 12.1117



31.5687, 46.2314, 19.0132



41.6326, 46.2314, 131.7265



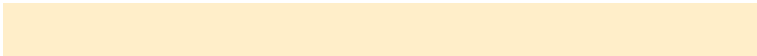
59.1865, 46.2314, 104.8614

Sweetspot

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



46.3355, 46.2337, 12.1126



82.4690, 86.7650, 67.9370



35.4898, 21.0811, 19.1678



17.3410, 18.2278, 13.5804



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.



46.3355, 46.2337, 12.1126



59.7959, 57.6637, 10.2979



49.4306, 64.1345, 15.4047



14.4902, 15.2663, 14.4898



24.7010, 22.8399, 3.1067



1.7911, 1.7411, 0.2417

Inverse Universe

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



22.0000, 19.2609, 71.6649



24.6091, 18.8375, 96.9467



20.2484, 12.0748, 70.3701



13.3011, 13.9414, 17.3776



9.2069, 5.8834, 41.6987



0.7165, 0.5644, 2.9164

Previews

White Background



This preview shows how the XYZ color 46.3344, 46.2314, 12.1117 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 46.3344, 46.2314, 12.1117 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 46.3344, 46.2314, 12.1117

Background



This preview shows how black text looks on a background with the XYZ color 46.3344, 46.2314, 12.1117.



This preview shows how white text looks on a background with the XYZ color 46.3344, 46.2314,

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

46.3344, 46.2314, 12.1117

Protanopia

42.2224, 46.4674, 12.7050

Deuteranopia

47.2220, 46.1160, 12.2068



Tritanopia

53.5668, 46.1520, 47.1592

Trichromacy



Original Color

46.3344, 46.2314, 12.1117

Protanomaly

43.5201, 46.2377, 12.4254

Deuteranomaly

47.1004, 46.3369, 12.2558

Tritanomaly

50.0126, 45.7745, 29.8663

Monochromacy



Original Color

46.3344, 46.2314, 12.1117

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.8376, 43.8035, 29.9168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3344, 46.2314, 12.1117 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, 174, 69)` looks like.

```
.text, #text, p{  
    color:rgb(222, 174, 69)  
}
```

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, 174, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 174, 69) }
```

Border

The CSS property to change the border of an element to XYZ 46.3344, 46.2314, 12.1117 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, 174, 69) }
```


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

```
.border{ border-color:rgb(222, 174, 69) }
```

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

Here you see how a box with a 4 pixel rgb(222, 174, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 174, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 174, 69);  
box-shadow:4px 4px 4px 4px rgb(222, 174,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3344, 46.2314, 12.1117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 174, 69) }
```

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

```
.background{ background-color: rgb(222,  
174, 69) }
```

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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