

Converting Colors

XYZ(46.3757, 45.9176, 15.0427)

Have a look what the booklet for
XYZ(46.3757, 45.9176, 15.0427)
contains.

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Color

**XYZ(46.4021, 45.9152,
15.0112)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAD55
RGB	221, 173, 85
RGB Percent	87%, 68%, 33%
CMY	0.1333, 0.3215, 0.6667
CMYK	0.00, 0.22, 0.62, 0.13
HSL	39°, 67%, 60%
HSV	39°, 62%, 87%
XYZ	46.4021, 45.9152, 15.0112
YIQ	177.3200, 56.8560, -17.1920

Conversions

Conversions Part 2

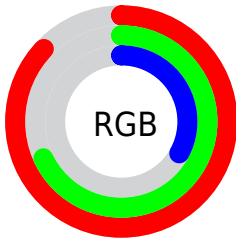
Format	Color
R _{YB}	159, 221, 85
Decimal	14527829
CIE Lab	73.49, 7.97, 50.97
CIE LCh	73, 51.594, 81.115
Yxy	45.9152, 0.4323, 0.4278
Android (android.graphics.Color)	4292717909 (0xFFDDAD55)
YUV	177.3200, -45.5138, 38.3074
Hunter-Lab	67.7608, 3.6543, 34.2979

Details

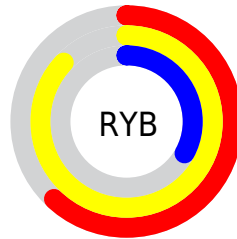
The XYZ color **46.4021, 45.9152, 15.0112** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.1846, 23.9259, 71.6971**, and the grayscale version is **42.1704, 44.3665, 48.3151**.

A 20% lighter version of the original color is **73.4988, 78.5529, 34.9553**, and **22.2161, 21.5711, 4.4316** is the 20% darker color. If you saturate the color by 10%, you get **44.2056, 42.7148, 10.6033**, and if you desaturate by 10%, it is **48.9622, 49.4043, 20.8936**.

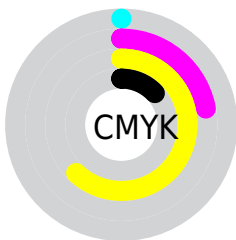
Distribution



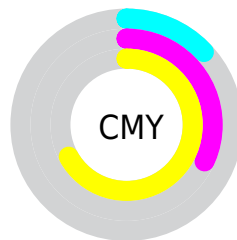
- Red (87%)
- Green (68%)
- Blue (33%)



- Red (62%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (22%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4021, 45.9152, 15.0112 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 46.4021, 45.9152, 15.0112 by changing the saturation by 10% instead.


 46.4021, 45.9152,
15.0112


 46.4021, 45.9152,
15.0112


363.1118,
370.4676, 235.0771

 32.7692, 32.1789,
8.6805


 84.0446, 84.0921,
35.6154


 22.1081, 21.4982,
4.4394


 108.7850,
109.3014, 50.7260


 14.0534, 13.4886,
1.8694


 137.9586,
139.1040, 69.6004

 8.2398, 7.7659,
0.4731

 171.9307,
173.8840, 92.6570

 4.3018, 3.9455,
0.0000

 211.0667,
214.0260, 120.3145

 1.8743, 1.6431,
0.0000

255.7320,

 0.5618, 0.3864,

259.9144, 152.9913

0.0000

306.2919,
311.9334, 191.1060

■ 0.0000, 0.0000,
0.0000

■ 46.4021, 45.9152,
15.0112

■ 46.4021, 45.9152,
15.0112

■ 44.2056, 42.7148,
10.6033

■ 48.9622, 49.4043,
20.8936

■ 42.3415, 39.7829,
7.5270

■ 51.9072, 53.1876,
28.3699

■ 40.7777, 37.1061,
5.6158

■ 55.2602, 57.2784,
37.5504

■ 39.6424, 35.0195,
4.6701

■ 59.0415, 61.6869,
48.5346

■ 63.2698, 66.4227,
61.4143

■ 67.9625, 71.4951,
76.2751

■ 73.1361, 76.9125,
93.1973

■ 77.6914, 82.2374,
106.3864

■ 79.9786, 86.8119,
107.1488

Harmonies

Analogous

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



55.5830, 45.9152, 20.2351



46.4021, 45.9152, 15.0112



37.6318, 45.9152, 16.2856

Triad

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



46.4021, 45.9152, 15.0112



29.2587, 45.9152, 70.3238



58.7405, 45.9152, 88.5487

Complementary

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



46.4021, 45.9152, 15.0112



25.1846, 23.9259, 71.6971

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.



50.2581, 45.9152, 112.8897



46.4021, 45.9152, 15.0112



33.5451, 45.9152, 100.0748

Square

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



46.4021, 45.9152, 15.0112



28.5253, 45.9152, 42.6407



40.9917, 45.9152, 117.7164



63.3295, 45.9152, 58.1472

Rectangle

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



46.4021, 45.9152, 15.0112



33.1091, 45.9152, 20.9292



40.9917, 45.9152, 117.7164



56.1985, 45.9152, 98.0961

Sweetspot

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



46.4032, 45.9174, 15.0121



83.5695, 87.4854, 72.8683



37.4313, 23.6150, 25.4583



17.5323, 18.3231, 14.5302



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.



46.4032, 45.9174, 15.0121



60.3026, 57.7976, 13.1785



52.0884, 65.0464, 18.4047



13.7555, 14.4503, 13.7898



23.1392, 20.5639, 2.7497



1.5790, 1.4920, 0.2048

Inverse Universe

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



25.1846, 23.9259, 71.6971



28.6899, 25.1344, 97.9470



21.9089, 14.6094, 70.0715



12.7127, 13.3652, 16.5619



9.2607, 6.3908, 40.4839



0.6794, 0.5729, 2.6492

Previews

White Background



This preview shows how the XYZ color 46.4021, 45.9152, 15.0112 looks on a white background.

Color Contrast Check

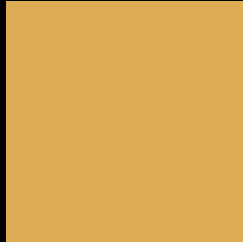
Large Text (above 18pt) WCAG AA × Fail

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 46.4021, 45.9152, 15.0112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

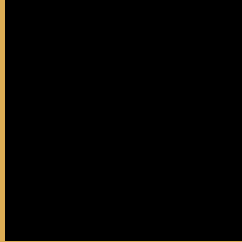
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4021, 45.9152, 15.0112

Background



This preview shows how black text looks on a background with the XYZ color 46.4021, 45.9152, 15.0112.



This preview shows how white text looks on a background with the XYZ color 46.4021, 45.9152,

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

46.4021, 45.9152, 15.0112

Protanopia

42.1047, 46.0317, 15.8984

Deuteranopia

46.8236, 45.8489, 14.9762



Tritanopia

52.9286, 45.8230, 47.1294

Trichromacy



Original Color

46.4021, 45.9152, 15.0112

Protanomaly

43.6531, 45.9388, 15.5831

Deuteranomaly

46.5164, 45.6905, 14.9618

Tritanomaly

49.8280, 45.6282, 32.1675

Monochromacy



Original Color

46.4021, 45.9152, 15.0112

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.5517, 44.4017, 32.7132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4021, 45.9152, 15.0112 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(221, 173, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 173, 85)  
}
```

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(221, 173, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 173, 85) }
```

Border

The CSS property to change the border of an element to XYZ 46.4021, 45.9152, 15.0112 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(221, 173, 85) }
```


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

```
.border{ border-color:rgb(221, 173, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 173, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 173, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 173, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 173,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4021, 45.9152, 15.0112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 173, 85) }
```

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

```
.background{ background-color: rgb(221,  
173, 85) }
```

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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