

Converting Colors

XYZ(45.6286, 45.4393, 6.3658)

Have a look what the booklet for
XYZ(45.6286, 45.4393, 6.3658)
contains.

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Color

**XYZ(45.4930, 45.3523,
6.3561)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AC00
RGB	224, 172, 0
RGB Percent	88%, 67%, 0%
CMY	0.1216, 0.3255, 0.9999
CMYK	0.00, 0.23, 1.00, 0.12
HSL	46°, 100%, 44%
HSV	46°, 100%, 88%
XYZ	45.4930, 45.3523, 6.3561
YIQ	167.9400, 86.2040, -42.4680

Conversions

Conversions Part 2

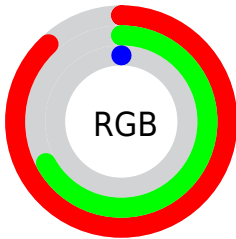
Format	Color
RYB	68, 224, 0
Decimal	14724096
CIELab	73.12, 6.96, 76.08
CIELCh	73, 76.395, 84.770
Yxy	45.3523, 0.4680, 0.4666
Android (android.graphics.Color)	4292914176 (0xFFE0AC00)
YUV	167.9400, -82.7944, 49.1646
Hunter-Lab	67.3441, 2.7300, 41.5449

Details

The XYZ color **45.4930, 45.3523, 6.3561** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.6831, 7.8387, 71.2597**, and the grayscale version is **37.5561, 39.5119, 43.0285**.

A 20% lighter version of the original color is **70.1204, 76.7627, 18.5181**, and **21.8207, 21.2195, 2.9457** is the 20% darker color. If you saturate the color by 10%, you get **45.4932, 45.3531, 6.3563**, and if you desaturate by 10%, it is **46.6519, 47.4323, 7.4768**.

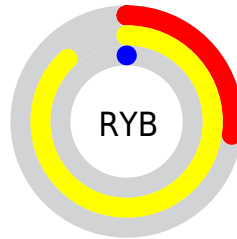
Distribution



Red (88%)

Green (67%)

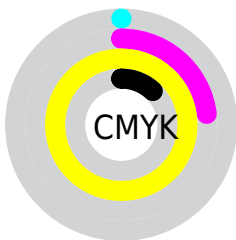
Blue (0%)



Red (27%)

Yellow (88%)

Blue (0%)

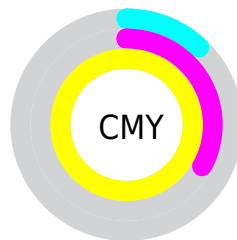


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4930, 45.3523, 6.3561 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 45.4930, 45.3523, 6.3561 by changing the saturation by 10% instead.


 45.4930, 45.3523,
6.3561

 45.4930, 45.3523,
6.3561


359.5168,
368.1985, 171.6234

 32.0489, 31.7350,
2.9905


 82.6922, 83.2488,
19.1559

 21.5545, 21.1592,
1.0898


 107.1780,
108.2968, 29.4273

 13.6447, 13.2404,
0.0000


 136.0751,
137.9239, 42.8376

 7.9540, 7.5943,
0.0000

 169.7488,
172.5144, 59.8055

 4.1171, 3.8365,
0.0000

 208.5644,
212.4527, 80.7495

 1.7686, 1.5825,
0.0000

 252.8874,

 0.4986, 0.3458,

258.1232, 106.0881

0.0000

303.0831,
309.9104, 136.2399

■ 0.0000, 0.0000,
0.0000

■ 45.4930, 45.3523,
6.3561

■ 45.4930, 45.3523,
6.3561

■ 45.4932, 45.3531,
6.3563

■ 46.6519, 47.4323,
7.4768

■ 48.0215, 49.6574,
9.5179

■ 49.6588, 52.0530,
12.7741

■ 51.5963, 54.6325,
17.4131

■ 53.8609, 57.4076,
23.5758

■ 56.4766, 60.3884,
31.3861

■ 59.4648, 63.5842,
40.9547

■ 62.8451, 67.0033,
52.3829

■ 66.6357, 70.6537,
65.7642

Harmonies

Analogous

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



59.7080, 45.3523, 10.3440



45.4930, 45.3523, 6.3561



33.2041, 45.3523, 8.1521

Triad

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



45.4930, 45.3523, 6.3561



23.7178, 45.3523, 87.1130



67.7098, 45.3523, 105.2173

Complementary

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



45.4930, 45.3523, 6.3561



14.6831, 7.8387, 71.2597

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.



54.8034, 45.3523, 150.9879



45.4930, 45.3523, 6.3561



29.9077, 45.3523, 137.2815

Square

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



45.4930, 45.3523, 6.3561



22.2331, 45.3523, 42.9669



40.8040, 45.3523, 165.0308



74.1223, 45.3523, 56.4036

Rectangle

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



45.4930, 45.3523, 6.3561



27.4127, 45.3523, 13.3770



40.8040, 45.3523, 165.0308



63.8724, 45.3523, 122.2958

Sweetspot

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



45.4940, 45.3546, 6.3570



79.6805, 85.2031, 54.6294



31.3666, 16.0980, 4.7359



16.6781, 17.8402, 10.4675



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.



45.4940, 45.3546, 6.3570



60.9364, 60.6527, 8.4955



42.0213, 61.2323, 9.6047



14.5879, 15.4618, 14.5223



26.5721, 26.5820, 3.7303



1.9082, 1.9752, 0.2807

Inverse Universe

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



14.6831, 7.8387, 71.2597



19.6239, 10.3678, 95.5746



15.3027, 6.3349, 70.9367



13.2090, 13.7570, 17.3469



8.6191, 4.7077, 41.5028



0.6654, 0.4622, 2.8994

Previews

White Background



This preview shows how the XYZ color 45.4930, 45.3523, 6.3561 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 45.4930, 45.3523, 6.3561 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 45.4930, 45.3523, 6.3561

Background



This preview shows how black text looks on a background with the XYZ color 45.4930, 45.3523, 6.3561.



This preview shows how white text looks on a background with the XYZ color 45.4930, 45.3523,

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

45.4930, 45.3523, 6.3561

Protanopia

41.0103, 45.3632, 6.9111

Deuteranopia

46.1026, 45.1001, 6.5338



Tritanopia

53.2959, 45.2760, 44.9599

Trichromacy



Original Color

45.4930, 45.3523, 6.3561

Protanomaly

42.6245, 45.3085, 6.6999

Deuteranomaly

45.9598, 45.3077, 6.4952

Tritanomaly

48.3489, 44.3131, 20.4730

Monochromacy



Original Color

45.4930, 45.3523, 6.3561

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5808, 40.1288, 19.6748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4930, 45.3523, 6.3561 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, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 172, 0)  
}
```

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, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.4930, 45.3523, 6.3561 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, 172, 0) }
```


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

```
.border{ border-color:rgb(224, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4930, 45.3523, 6.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 172, 0) }
```

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

```
.background{ background-color: rgb(224,  
172, 0) }
```

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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