

Converting Colors

XYZ(42.4010, 36.1236, 6.2852)

Have a look what the booklet for
XYZ(42.4010, 36.1236, 6.2852)
contains.

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Color

**XYZ(42.5949, 36.2845,
6.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	E68E22
RGB	230, 142, 34
RGB Percent	90%, 56%, 13%
CMY	0.0980, 0.4431, 0.8666
CMYK	0.00, 0.38, 0.85, 0.10
HSL	33°, 80%, 52%
HSV	33°, 85%, 90%
XYZ	42.5949, 36.2845, 6.2720
YIQ	156.0000, 87.1160, -14.9320

Conversions

Conversions Part 2

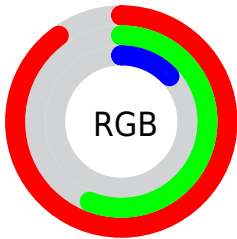
Format	Color
RYB	194, 230, 34
Decimal	15109666
CIELab	66.74, 26.00, 65.41
CIELCh	67, 70.388, 68.319
Yxy	36.2845, 0.5002, 0.4261
Android (android.graphics.Color)	4293299746 (0xFFE68E22)
YUV	156.0000, -60.1460, 64.8980
Hunter-Lab	60.2366, 20.8080, 35.9922

Details

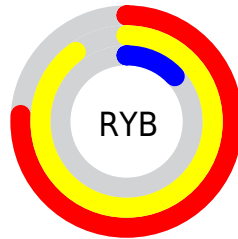
The XYZ color **42.5949, 36.2845, 6.2720** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **21.9019, 19.9717, 77.5630**, and the grayscale version is **31.8339, 33.4917, 36.4725**.

A 20% lighter version of the original color is **62.8254, 61.4780, 18.2281**, and **19.8895, 15.8070, 2.0028** is the 20% darker color. If you saturate the color by 10%, you get **40.9014, 33.2631, 4.5814**, and if you desaturate by 10%, it is **44.6538, 39.6829, 9.1776**.

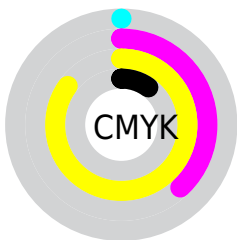
Distribution



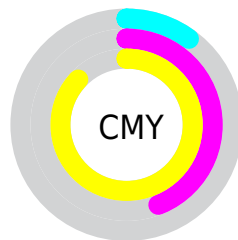
- Red (90%)
- Green (56%)
- Blue (13%)



- Red (76%)
- Yellow (90%)
- Blue (13%)



- Cyan (0%)
- Magenta (38%)
- Yellow (85%)
- Black (10%)





- Cyan (10%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5949, 36.2845, 6.2720 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 42.5949, 36.2845, 6.2720 by changing the saturation by 10% instead.


 42.5949, 36.2845,
6.2720


 42.5949, 36.2845,
6.2720


347.8930,
330.2023, 170.8642

 29.7605, 24.6540,
2.9397


 78.3587, 69.4710,
18.9802


 19.8041, 15.8195,
1.0639

 102.0189, 91.7957,
29.1933

 12.3601, 9.3965,
0.0000

 130.0184,
118.4540, 42.5369

 7.0634, 5.0007,
0.0000

 162.7225,
149.8302, 59.4298

 3.5485, 2.2477,
0.0000

 200.4967,
186.3088, 80.2905

 1.4500, 0.7458,
0.0000

 243.7063,

 0.2914, 0.0000,

228.2740, 105.5374

0.0000

292.7166,
276.1104, 135.5891

■ 0.0000, 0.0000,
0.0000

■ 42.5949, 36.2845,
6.2720

■ 42.5949, 36.2845,
6.2720

■ 40.9014, 33.2631,
4.5814

■ 44.6538, 39.6829,
9.1776

■ 40.1888, 31.9346,
4.0458

■ 47.1177, 43.4754,
13.4985

■ 50.0219, 47.6834,
19.4005

■ 53.3967, 52.3245,
27.0255

■ 57.2690, 57.4148,
36.4993

■ 61.6636, 62.9694,
47.9362

■ 66.6033, 69.0023,
61.4407

■ 72.1093, 75.5270,
77.1101

■ 78.2019, 82.5563,
95.0356

Harmonies

Analogous

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



53.1178, 36.2845, 13.2084



42.5949, 36.2845, 6.2720



31.6162, 36.2845, 5.2951

Triad

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



42.5949, 36.2845, 6.2720



17.9707, 36.2845, 48.5882



48.7619, 36.2845, 105.4475

Complementary

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



42.5949, 36.2845, 6.2720



21.9019, 19.9717, 77.5630

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.



37.5272, 36.2845, 130.2278



42.5949, 36.2845, 6.2720



20.8188, 36.2845, 87.9960

Square

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



42.5949, 36.2845, 6.2720



18.7788, 36.2845, 21.6011



27.4799, 36.2845, 122.5820



57.1567, 36.2845, 65.2913

Rectangle

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



42.5949, 36.2845, 6.2720



25.6787, 36.2845, 7.1491



27.4799, 36.2845, 122.5820



45.1100, 36.2845, 116.5935

Sweetspot

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



42.5957, 36.2864, 6.2727



77.3814, 78.8983, 59.1240



36.7305, 19.3774, 20.2824



16.1370, 16.3538, 11.5332



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.



42.5957, 36.2864, 6.2727



50.6938, 40.1675, 5.0813



58.1611, 71.9556, 12.3371



15.0321, 15.6781, 15.1383



22.8766, 18.3274, 2.3318



1.7829, 1.5392, 0.2031

Inverse Universe

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



21.9019, 19.9717, 77.5630



24.1220, 19.3640, 97.0740



15.8853, 7.3886, 75.4513



14.1129, 14.9473, 18.2856



10.9650, 8.9921, 43.5409



0.9019, 0.8477, 3.2481

Previews

White Background



This preview shows how the XYZ color 42.5949, 36.2845, 6.2720 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 42.5949, 36.2845, 6.2720 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 42.5949, 36.2845, 6.2720

Background



This preview shows how black text looks on a background with the XYZ color 42.5949, 36.2845, 6.2720.



This preview shows how white text looks on a background with the XYZ color 42.5949, 36.2845,

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

42.5949, 36.2845, 6.2720

Protanopia

32.9918, 36.4081, 7.2081

Deuteranopia

36.9303, 36.1695, 6.0719



Tritanopia

47.3947, 36.1177, 30.0646

Trichromacy



Original Color

42.5949, 36.2845, 6.2720

Protanomaly

35.8747, 35.8556, 6.7803

Deuteranomaly

38.8722, 36.2026, 6.1673

Tritanomaly

44.8566, 35.9112, 17.3993

Monochromacy



Original Color

42.5949, 36.2845, 6.2720

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.5197, 33.3703, 20.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5949, 36.2845, 6.2720 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(230, 142, 34)` looks like.

```
.text, #text, p{  
    color:rgb(230, 142, 34)  
}
```

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(230, 142, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 142, 34) }
```

Border

The CSS property to change the border of an element to XYZ 42.5949, 36.2845, 6.2720 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(230, 142, 34) }
```


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

```
.border{ border-color:rgb(230, 142, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 142, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 142, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 142, 34);  
box-shadow:4px 4px 4px 4px rgb(230, 142,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5949, 36.2845, 6.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 142, 34) }
```

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

```
.background{ background-color: rgb(230,  
142, 34) }
```

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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