

Converting Colors

XYZ(46.6714, 41.4753, 9.9083)

Have a look what the booklet for
XYZ(46.6714, 41.4753, 9.9083)
contains.

XYZ(46.4953, 41.2720, 9.9306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4953, 41.2720,
9.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9B3D
RGB	234, 155, 61
RGB Percent	92%, 61%, 24%
CMY	0.0824, 0.3921, 0.7608
CMYK	0.00, 0.34, 0.74, 0.08
HSL	33°, 80%, 58%
HSV	33°, 74%, 92%
XYZ	46.4953, 41.2720, 9.9306
YIQ	167.9050, 77.2580, -12.4860

Conversions

Conversions Part 2

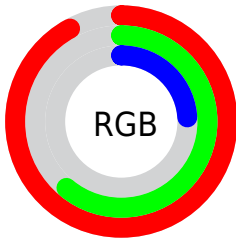
Format	Color
R_{YB}	206, 234, 61
Decimal	15375165
CIE _{Lab}	70.37, 21.70, 58.88
CIE _{LCh}	70, 62.752, 69.769
Yxy	41.2720, 0.4759, 0.4224
Android (android.graphics.Color)	4293565245 (0xFFEA9B3D)
YUV	167.9050, -52.7042, 57.9653
Hunter-Lab	64.2433, 16.7615, 35.8054

Details

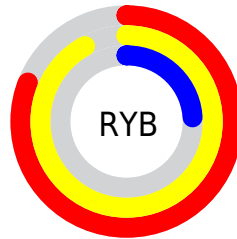
The XYZ color **46.4953, 41.2720, 9.9306** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.1533, 25.6875, 81.4211**, and the grayscale version is **37.3978, 39.3454, 42.8471**.

A 20% lighter version of the original color is **67.3239, 68.5681, 25.6062**, and **22.1839, 18.7849, 2.4566** is the 20% darker color. If you saturate the color by 10%, you get **44.2970, 37.6738, 6.7374**, and if you desaturate by 10%, it is **49.1277, 45.2990, 14.6248**.

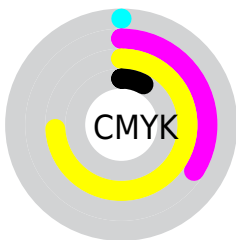
Distribution



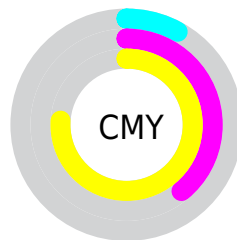
- Red (92%)
- Green (61%)
- Blue (24%)



- Red (81%)
- Yellow (92%)
- Blue (24%)



- Cyan (0%)
- Magenta (34%)
- Yellow (74%)
- Black (8%)





- Cyan (8%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4953, 41.2720, 9.9306 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 46.4953, 41.2720, 9.9306 by changing the saturation by 10% instead.


 46.4953, 41.2720,
9.9306

 46.4953, 41.2720,
9.9306


363.4790,
351.4562, 200.6428


 32.8431, 28.5317,
5.2480


 84.1831, 77.0966,
26.2707


 22.1650, 18.7268,
2.3322


 108.9494,
100.9497, 38.7652


 14.0954, 11.4731,
0.7492


 138.1512,
129.2759, 54.7007

 8.2692, 6.3860,
0.0000

 172.1538,
162.4595, 74.4958

 4.3209, 3.0812,
0.0000

 211.3225,
200.8849, 98.5690

 1.8853, 1.1743,
0.0000

256.0227,

 0.5682, 0.0405,

244.9366, 127.3389

0.0000

306.6197,
294.9988, 161.2240

■ 0.0000, 0.0000,
0.0000

■ 46.4953, 41.2720,
9.9306

■ 46.4953, 41.2720,
9.9306

■ 44.2970, 37.6738,
6.7374

■ 49.1277, 45.2990,
14.6248

■ 42.4871, 34.4746,
4.8377


■ 52.2269, 49.7691,
20.9861


■ 41.5404, 32.7102,
4.1243


■ 55.8251, 54.7029,
29.1612


■ 59.9505, 60.1174,
39.2798

■ 64.6285, 66.0286,
51.4593

 69.8830, 72.4514,
65.8082

 75.7362, 79.4000,
82.4269

 82.2090, 86.8880,
101.4098

 86.5315, 93.8125,
108.1547

Harmonies

Analogous

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



56.5364, 41.2720, 17.5119



46.4953, 41.2720, 9.9306



35.9571, 41.2720, 8.9825

Triad

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



46.4953, 41.2720, 9.9306



22.7457, 41.2720, 55.2841



53.3355, 41.2720, 104.2785

Complementary

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



46.4953, 41.2720, 9.9306



26.1533, 25.6875, 81.4211

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.



42.6911, 41.2720, 127.3997



46.4953, 41.2720, 9.9306



25.8703, 41.2720, 91.9595

Square

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



46.4953, 41.2720, 9.9306



23.4029, 41.2720, 28.0160



32.7600, 41.2720, 122.1043



60.9409, 41.2720, 67.5864

Rectangle

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



46.4953, 41.2720, 9.9306



30.1796, 41.2720, 11.4626



32.7600, 41.2720, 122.1043



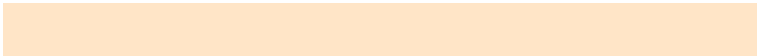
49.9247, 41.2720, 114.4937

Sweetspot

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



46.4962, 41.2741, 9.9314



79.6628, 81.6302, 65.5295



40.4629, 22.7751, 27.7502



16.6975, 17.0336, 13.0800



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.



46.4962, 41.2741, 9.9314



52.5766, 43.5970, 6.7457



62.3338, 75.7142, 15.7443



15.7437, 16.4104, 15.8565



23.4711, 18.6364, 2.3601



1.9391, 1.6554, 0.2173

Inverse Universe

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



26.1533, 25.6875, 81.4211



26.7380, 23.8831, 97.8084



18.8190, 10.4634, 78.8691



14.7978, 15.6821, 19.1693



11.4137, 9.4744, 44.9701



0.9914, 0.9342, 3.5629

Previews

White Background



This preview shows how the XYZ color 46.4953, 41.2720, 9.9306 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 46.4953, 41.2720, 9.9306 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 46.4953, 41.2720, 9.9306

Background



This preview shows how black text looks on a background with the XYZ color 46.4953, 41.2720, 9.9306.



This preview shows how white text looks on a background with the XYZ color 46.4953, 41.2720,

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

46.4953, 41.2720, 9.9306

Protanopia

37.6652, 41.4870, 11.1769

Deuteranopia

42.3581, 41.4553, 9.7722



Tritanopia

52.0613, 41.1764, 36.6564

Trichromacy



Original Color

46.4953, 41.2720, 9.9306

Protanomaly

40.2938, 40.9080, 10.6228

Deuteranomaly

43.9657, 41.4935, 9.8295

Tritanomaly

49.4585, 41.0525, 23.4063

Monochromacy



Original Color

46.4953, 41.2720, 9.9306

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.7979, 38.9858, 26.2490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4953, 41.2720, 9.9306 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(234, 155, 61)` looks like.

```
.text, #text, p{  
    color:rgb(234, 155, 61)  
}
```

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(234, 155, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 155, 61) }
```

Border

The CSS property to change the border of an element to XYZ 46.4953, 41.2720, 9.9306 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(234, 155, 61) }
```


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

```
.border{ border-color:rgb(234, 155, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 155, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 155, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 155, 61);  
box-shadow:4px 4px 4px 4px rgb(234, 155,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4953, 41.2720, 9.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 155, 61) }
```

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

```
.background{ background-color: rgb(234,  
155, 61) }
```

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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