

Converting Colors

XYZ(42.1011, 37.4753, 5.0310)

Have a look what the booklet for
XYZ(42.1011, 37.4753, 5.0310)
contains.

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Color

**XYZ(41.9594, 37.3508,
5.0266)**

Conversions

Conversions Part 1

Format	Color
Hex	E29401
RGB	226, 148, 1
RGB Percent	89%, 58%, 0%
CMY	0.1137, 0.4196, 0.9960
CMYK	0.00, 0.35, 1.00, 0.11
HSL	39°, 99%, 45%
HSV	39°, 100%, 89%
XYZ	41.9594, 37.3508, 5.0266
YIQ	154.5640, 93.6750, -29.1810

Conversions

Conversions Part 2

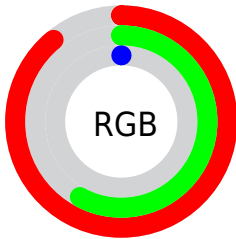
Format	Color
R_{YB}	120, 226, 1
Decimal	14849025
CIE Lab	67.54, 20.63, 72.29
CIE LCh	68, 75.173, 74.070
Yxy	37.3508, 0.4975, 0.4429
Android (android.graphics.Color)	4293039105 (0xFFE29401)
YUV	154.5640, -75.7071, 62.6494
Hunter-Lab	61.1153, 15.5994, 37.9042

Details

The XYZ color **41.9594, 37.3508, 5.0266** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **16.5362, 11.0899, 73.2198**, and the grayscale version is **31.2593, 32.8872, 35.8142**.

A 20% lighter version of the original color is **63.6305, 64.0091, 15.6579**, and **19.5845, 16.4419, 2.1414** is the 20% darker color. If you saturate the color by 10%, you get **41.8998, 37.2407, 4.9798**, and if you desaturate by 10%, it is **43.3864, 39.9565, 6.2688**.

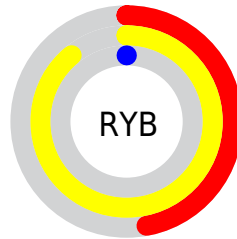
Distribution



Red (89%)

Green (58%)

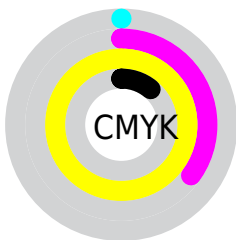
Blue (0%)



Red (47%)

Yellow (89%)

Blue (0%)

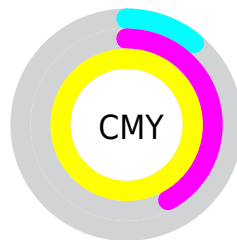


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9594, 37.3508, 5.0266 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 41.9594, 37.3508, 5.0266 by changing the saturation by 10% instead.


 41.9594, 37.3508,
5.0266


 41.9594, 37.3508,
5.0266

345.3091,
334.8268, 159.0314


 29.2605, 25.4792,
2.2039


 77.4037, 71.1120,
16.3156


 19.4232, 16.4344,
0.6766


 100.8798, 93.7704,
25.6190


 12.0823, 9.8321,
0.0000


 128.6790,
120.7932, 37.9197

 6.8724, 5.2878,
0.0000

 161.1667,
152.5647, 53.6362

 3.4280, 2.4171,
0.0000

 198.7082,
189.4695, 73.1871

 1.3839, 0.8347,
0.0000

 241.6689,

 0.2447, 0.0000,

231.8918, 96.9909

0.0000

290.4140,
280.2161, 125.4661

0.0000, 0.0000,
0.0000

41.9594, 37.3508,
5.0266

41.9594, 37.3508,
5.0266

41.8998, 37.2407,
4.9798

43.3864, 39.9565,
6.2688

45.0785, 42.8024,
8.4924

47.0914, 45.9146,
11.9799

49.4589, 49.3092,
16.9016

52.2097, 53.0000,
23.4011

■ 55.3691, 56.9994,
31.6044

■ 58.9598, 61.3186,
41.6249

■ 63.0027, 65.9683,
53.5659

■ 67.5173, 70.9584,
67.5229

Harmonies

Analogous

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



53.9917, 37.3508, 10.5111



41.9594, 37.3508, 5.0266



30.3651, 37.3508, 4.8951

Triad

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



41.9594, 37.3508, 5.0266



18.0063, 37.3508, 58.1969



53.3199, 37.3508, 105.7202

Complementary

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



41.9594, 37.3508, 5.0266



16.5362, 11.0899, 73.2198

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.



41.1853, 37.3508, 138.9818



41.9594, 37.3508, 5.0266



21.8023, 37.3508, 102.9823

Square

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



41.9594, 37.3508, 5.0266



18.1253, 37.3508, 25.5761



29.7415, 37.3508, 137.7722



61.4605, 37.3508, 60.7680

Rectangle

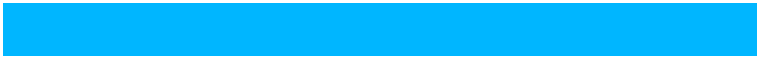
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.9594, 37.3508, 5.0266



24.4449, 37.3508, 7.4396



29.7415, 37.3508, 137.7722



49.4702, 37.3508, 119.5057

Sweetspot

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



41.9602, 37.3527, 5.0273



77.2022, 80.2464, 53.8033



32.8137, 16.7661, 9.0491



16.0838, 16.6514, 10.2694



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.



41.9602, 37.3527, 5.0273



54.9863, 48.7525, 6.5121



49.0034, 65.6336, 10.1148



14.4509, 15.1878, 14.4767



24.0190, 21.4759, 2.8793



1.7475, 1.6539, 0.2271

Inverse Universe

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



16.5362, 11.0899, 73.2198



21.5723, 14.2647, 96.2241



14.4233, 5.8660, 72.3229



13.3387, 14.0164, 17.3901



9.4999, 6.4694, 41.7964



0.7401, 0.6117, 2.9243

Previews

White Background



This preview shows how the XYZ color 41.9594, 37.3508, 5.0266 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 41.9594, 37.3508, 5.0266 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 41.9594, 37.3508, 5.0266

Background



This preview shows how black text looks on a background with the XYZ color 41.9594, 37.3508, 5.0266.



This preview shows how white text looks on a background with the XYZ color 41.9594, 37.3508,

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

41.9594, 37.3508, 5.0266

Protanopia

33.7984, 37.3868, 5.9252

Deuteranopia

38.1830, 37.3322, 5.1934



Tritanopia

47.7125, 37.4709, 32.7349

Trichromacy



Original Color

41.9594, 37.3508, 5.0266

Protanomaly

36.5459, 37.2379, 5.5781

Deuteranomaly

39.4156, 37.2295, 5.1086

Tritanomaly

44.3717, 36.9952, 15.6286

Monochromacy



Original Color

41.9594, 37.3508, 5.0266

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.5364, 33.1811, 16.4941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9594, 37.3508, 5.0266 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(226, 148, 1)` looks like.

```
.text, #text, p{  
    color:rgb(226, 148, 1)  
}
```

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(226, 148, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 148, 1) }
```

Border

The CSS property to change the border of an element to XYZ 41.9594, 37.3508, 5.0266 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(226, 148, 1) }
```


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

```
.border{ border-color:rgb(226, 148, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 148, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 148, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 148, 1);  
box-shadow:4px 4px 4px 4px rgb(226, 148,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9594, 37.3508, 5.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 148, 1) }
```

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

```
.background{ background-color: rgb(226,  
148, 1) }
```

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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