

Converting Colors

XYZ(41.4478, 36.9529, 6.2414)

Have a look what the booklet for
XYZ(41.4478, 36.9529, 6.2414)
contains.

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Color

**XYZ(41.5777, 37.1260,
6.2710)**

Conversions

Conversions Part 1

Format	Color
Hex	E0941F
RGB	224, 148, 31
RGB Percent	88%, 58%, 12%
CMY	0.1216, 0.4196, 0.8784
CMYK	0.00, 0.34, 0.86, 0.12
HSL	36°, 76%, 50%
HSV	36°, 86%, 88%
XYZ	41.5777, 37.1260, 6.2710
YIQ	157.3860, 82.8530, -20.2750

Conversions

Conversions Part 2

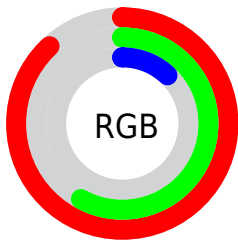
Format	Color
RYB	156, 224, 31
Decimal	14717983
CIELab	67.37, 20.20, 66.51
CIElCh	67, 69.507, 73.107
Yxy	37.1260, 0.4893, 0.4369
Android (android.graphics.Color)	4292908063 (0xFFE0941F)
YUV	157.3860, -62.3083, 58.4205
Hunter-Lab	60.9311, 15.1740, 36.5497

Details

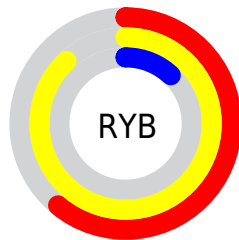
The XYZ color **41.5777, 37.1260, 6.2710** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **19.2773, 16.1883, 72.6291**, and the grayscale version is **32.4691, 34.1600, 37.2003**.

A 20% lighter version of the original color is **64.1637, 64.2223, 18.4656**, and **19.3790, 16.3359, 2.1318** is the 20% darker color. If you saturate the color by 10%, you get **40.0470, 34.3852, 4.7734**, and if you desaturate by 10%, it is **43.4198, 40.1632, 8.8811**.

Distribution



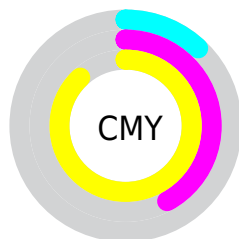
- Red (88%)
- Green (58%)
- Blue (12%)



- Red (61%)
- Yellow (88%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (86%)
- Black (12%)




- Cyan (12%)
- Magenta (42%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5777, 37.1260, 6.2710 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 41.5777, 37.1260, 6.2710 by changing the saturation by 10% instead.


 41.5777, 37.1260,
6.2710


 41.5777, 37.1260,
6.2710


343.7508,
333.8557, 170.8552

 28.9604, 25.3051,
2.9391


 76.8293, 70.7665,
18.9781

 19.1950, 16.3045,
1.0636


 100.1943, 93.3549,
29.1905

 11.9161, 9.7399,
0.0000


 127.8726,
120.3012, 42.5334

 6.7584, 5.2268,
0.0000

 160.2295,
151.9899, 59.4253

 3.3564, 2.3810,
0.0000

 197.6305,
188.8053, 80.2850

 1.3449, 0.8161,
0.0000

 240.4408,

 0.2165, 0.0000,

231.1318, 105.5308

0.0000

289.0258,
279.3538, 135.5813

■ 0.0000, 0.0000,
0.0000

■ 41.5777, 37.1260,
6.2710

■ 41.5777, 37.1260,
6.2710

■ 40.0470, 34.3852,
4.7734

■ 43.4198, 40.1632,
8.8811

■ 39.5159, 33.3985,
4.3638

■ 45.6101, 43.5104,
12.7965

■ 48.1810, 47.1857,
18.1745

■ 51.1600, 51.2035,
25.1494

■ 54.5717, 55.5769,
33.8399

■ 58.4384, 60.3180,
44.3535

■ 62.7807, 65.4382,
56.7888

■ 67.6176, 70.9483,
71.2374

■ 72.9671, 76.8584,
87.7847

Harmonies

Analogous

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



52.4462, 37.1260, 12.1342



41.5777, 37.1260, 6.2710



30.8446, 37.1260, 5.9859

Triad

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



41.5777, 37.1260, 6.2710



18.8658, 37.1260, 55.2333



51.2103, 37.1260, 100.1283

Complementary

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



41.5777, 37.1260, 6.2710



19.2773, 16.1883, 72.6291

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.



40.1370, 37.1260, 128.6561



41.5777, 37.1260, 6.2710



22.3500, 37.1260, 95.1966

Square

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



41.5777, 37.1260, 6.2710



19.0974, 37.1260, 25.6661



29.6654, 37.1260, 126.4988



58.7288, 37.1260, 59.9704

Rectangle

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



41.5777, 37.1260, 6.2710



25.2432, 37.1260, 8.5133



29.6654, 37.1260, 126.4988



47.6941, 37.1260, 112.1261

Sweetspot

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



41.5785, 37.1279, 6.2717



78.3827, 80.9010, 59.4578



33.9480, 17.9145, 15.9127



16.3747, 16.8290, 11.6124



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.



41.5785, 37.1279, 6.2717



52.8934, 44.5669, 5.8145



51.9970, 66.3464, 11.3623



14.3952, 15.0763, 14.4581



23.1163, 19.6706, 2.5784



1.6888, 1.5365, 0.2076

Inverse Universe

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



19.2773, 16.1883, 72.6291



22.6465, 16.4129, 96.5822



15.2751, 7.0479, 71.0758



13.3926, 14.1243, 17.4081



9.9770, 7.4236, 41.9554



0.7770, 0.6855, 2.9366

Previews

White Background



This preview shows how the XYZ color 41.5777, 37.1260, 6.2710 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 41.5777, 37.1260, 6.2710 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 41.5777, 37.1260, 6.2710

Background



This preview shows how black text looks on a background with the XYZ color 41.5777, 37.1260, 6.2710.



This preview shows how white text looks on a background with the XYZ color 41.5777, 37.1260,

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

41.5777, 37.1260, 6.2710

Protanopia

33.7661, 37.3459, 7.0189

Deuteranopia

38.0873, 37.2614, 6.1620



Tritanopia

47.0669, 37.1381, 32.7046

Trichromacy



Original Color

41.5777, 37.1260, 6.2710

Protanomaly

36.2401, 37.0539, 6.7554

Deuteranomaly

39.3324, 37.1624, 6.1986

Tritanomaly

44.2177, 36.8599, 18.1487

Monochromacy



Original Color

41.5777, 37.1260, 6.2710

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4809, 34.0827, 19.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5777, 37.1260, 6.2710 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, 148, 31)` looks like.

```
.text, #text, p{  
    color:rgb(224, 148, 31)  
}
```

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, 148, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 148, 31) }
```

Border

The CSS property to change the border of an element to XYZ 41.5777, 37.1260, 6.2710 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, 148, 31) }
```


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

```
.border{ border-color:rgb(224, 148, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 148, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 148, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 148, 31);  
box-shadow:4px 4px 4px 4px rgb(224, 148,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5777, 37.1260, 6.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 148, 31) }
```

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

```
.background{ background-color: rgb(224,  
148, 31) }
```

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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