

Converting Colors

XYZ(41.9747, 36.1653, 7.2509)

Have a look what the booklet for
XYZ(41.9747, 36.1653, 7.2509)
contains.

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Color

**XYZ(41.9747, 36.1653,
7.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	E38F2D
RGB	227, 143, 45
RGB Percent	89%, 56%, 18%
CMY	0.1098, 0.4392, 0.8235
CMYK	0.00, 0.37, 0.80, 0.11
HSL	32°, 76%, 53%
HSV	32°, 80%, 89%
XYZ	41.9747, 36.1653, 7.2509
YIQ	156.9440, 81.5220, -12.6700

Conversions

Conversions Part 2

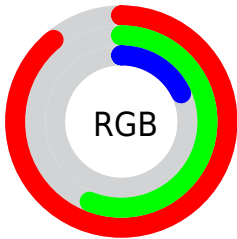
Format	Color
R _{YB}	201, 227, 45
Decimal	14913325
CIE Lab	66.65, 24.53, 61.43
CIE LCh	67, 66.143, 68.232
Yxy	36.1653, 0.4916, 0.4235
Android (android.graphics.Color)	4293103405 (0xFFE38F2D)
YUV	156.9440, -55.1884, 61.4391
Hunter-Lab	60.1376, 19.3482, 34.9476

Details

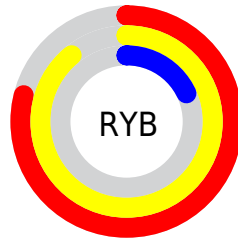
The XYZ color **41.9747, 36.1653, 7.2509** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.7971, 21.8034, 75.6795**, and the grayscale version is **32.2384, 33.9173, 36.9360**.

A 20% lighter version of the original color is **63.4584, 62.0934, 20.4450**, and **19.5530, 15.7613, 2.0117** is the 20% darker color. If you saturate the color by 10%, you get **40.1495, 33.0366, 5.0351**, and if you desaturate by 10%, it is **44.1831, 39.6854, 10.7528**.

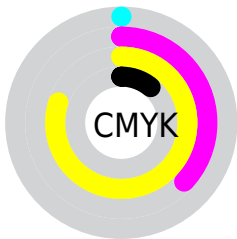
Distribution



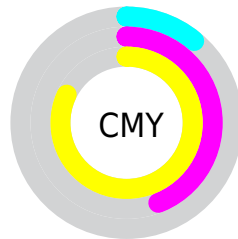
- Red (89%)
- Green (56%)
- Blue (18%)



- Red (79%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9747, 36.1653, 7.2509 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 41.9747, 36.1653, 7.2509 by changing the saturation by 10% instead.


 41.9747, 36.1653,
7.2509


 41.9747, 36.1653,
7.2509


345.3715,
329.6825, 179.4418


 29.2725, 24.5619,
3.5387


 77.4267, 69.2871,
20.9976


 19.4324, 15.7510,
1.3758


 100.9073, 91.5743,
31.8692


 12.0890, 9.3481,
0.1228


 128.7113,
118.1916, 45.9643

 6.8769, 4.9689,
0.0000

 161.2042,
149.5233, 63.7015

 3.4309, 2.2290,
0.0000

 198.7513,
185.9538, 85.4993

 1.3855, 0.7358,
0.0000

 241.7180,

 0.2459, 0.0000,

227.8676, 111.7762

0.0000

290.4696,
275.6490, 142.9509

■ 0.0000, 0.0000,
0.0000

■ 41.9747, 36.1653,
7.2509

■ 41.9747, 36.1653,
7.2509

■ 40.1495, 33.0366,
5.0351

■ 44.1831, 39.6854,
10.7528

■ 38.6670, 30.3082,
3.8121

■ 46.8091, 43.6121,
15.7139

■ 49.8851, 47.9659,
22.2823

■ 53.4387, 52.7636,
30.5871

■ 57.4954, 58.0209,
40.7440

■ 62.0782, 63.7524,
52.8589

■ 67.2089, 69.9719,
67.0293

■ 72.9076, 76.6927,
83.3464

■ 79.1934, 83.9272,
101.8959

Harmonies

Analogous

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



51.7144, 36.1653, 14.2575



41.9747, 36.1653, 7.2509



31.7046, 36.1653, 6.2213

Triad

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



41.9747, 36.1653, 7.2509



18.6932, 36.1653, 47.7632



47.6369, 36.1653, 100.0661

Complementary

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



41.9747, 36.1653, 7.2509



22.7971, 21.8034, 75.6795

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.



37.1892, 36.1653, 122.3985



41.9747, 36.1653, 7.2509



21.4208, 36.1653, 83.9949

Square

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



41.9747, 36.1653, 7.2509



19.4822, 36.1653, 22.3421



27.7512, 36.1653, 115.4116



55.3983, 36.1653, 63.4146

Rectangle

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



41.9747, 36.1653, 7.2509



26.0888, 36.1653, 8.1301



27.7512, 36.1653, 115.4116



44.2504, 36.1653, 110.1415

Sweetspot

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



41.9755, 36.1672, 7.2516



78.3575, 79.9507, 62.2234



36.6417, 19.8178, 22.9901



16.3180, 16.5438, 12.1237



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.



41.9755, 36.1672, 7.2516



50.9723, 40.6351, 5.4497



57.7410, 70.4889, 13.0454



15.0166, 15.6472, 15.1332



22.6689, 17.9120, 2.2626



1.7679, 1.5091, 0.1981

Inverse Universe

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



22.7971, 21.8034, 75.6795



25.2827, 21.4958, 97.4243



16.1723, 8.1287, 73.3892



14.1282, 14.9778, 18.2907



11.1322, 9.3264, 43.5966



0.9147, 0.8734, 3.2523

Previews

White Background



This preview shows how the XYZ color 41.9747, 36.1653, 7.2509 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 41.9747, 36.1653, 7.2509 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 41.9747, 36.1653, 7.2509

Background



This preview shows how black text looks on a background with the XYZ color 41.9747, 36.1653, 7.2509.



This preview shows how white text looks on a background with the XYZ color 41.9747, 36.1653,

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

41.9747, 36.1653, 7.2509

Protanopia

32.9643, 36.3698, 8.3003

Deuteranopia

36.8404, 36.1018, 7.0341



Tritanopia

46.7617, 36.1892, 30.5072

Trichromacy



Original Color

41.9747, 36.1653, 7.2509

Protanomaly

35.7107, 35.9961, 7.8621

Deuteranomaly

38.4756, 35.9769, 7.1068

Tritanomaly

44.2326, 35.7759, 18.4840

Monochromacy



Original Color

41.9747, 36.1653, 7.2509

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.6720, 33.6625, 21.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9747, 36.1653, 7.2509 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(227, 143, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 143, 45)  
}
```

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(227, 143, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 143, 45) }
```

Border

The CSS property to change the border of an element to XYZ 41.9747, 36.1653, 7.2509 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(227, 143, 45) }
```


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

```
.border{ border-color:rgb(227, 143, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 143, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 143, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 143, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 143,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9747, 36.1653, 7.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 143, 45) }
```

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

```
.background{ background-color: rgb(227,  
143, 45) }
```

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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