

Converting Colors

XYZ(40.8586, 31.7004, 13.8054)

Have a look what the booklet for
XYZ(40.8586, 31.7004, 13.8054)
contains.

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Color

**XYZ(40.9005, 31.7535,
13.8709)**

Conversions

Conversions Part 1

Format	Color
Hex	E37D5B
RGB	227, 125, 91
RGB Percent	89%, 49%, 36%
CMY	0.1098, 0.5098, 0.6431
CMYK	0.00, 0.45, 0.60, 0.11
HSL	15°, 71%, 62%
HSV	15°, 60%, 89%
XYZ	40.9005, 31.7535, 13.8709
YIQ	151.6220, 71.7060, 11.0500

Conversions

Conversions Part 2

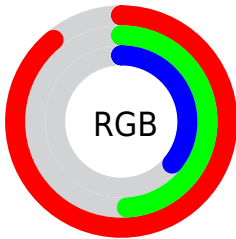
Format	Color
R _Y B	227, 136, 91
Decimal	14908763
CIE Lab	63.14, 36.37, 35.81
CIE LCh	63, 51.042, 44.557
Yxy	31.7535, 0.4727, 0.3670
Android (android.graphics.Color)	4293098843 (0xFFE37D5B)
YUV	151.6220, -29.8866, 66.1065
Hunter-Lab	56.3502, 30.9471, 24.8506

Details

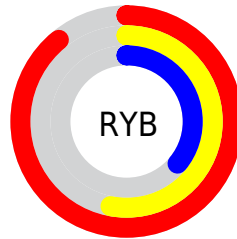
The XYZ color **40.9005, 31.7535, 13.8709** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.2482, 45.9074, 79.5704**, and the grayscale version is **29.7860, 31.3372, 34.1262**.

A 20% lighter version of the original color is **62.2426, 55.4532, 33.0142**, and **18.8398, 13.2949, 3.9561** is the 20% darker color. If you saturate the color by 10%, you get **38.0918, 27.4734, 8.8124**, and if you desaturate by 10%, it is **44.3763, 36.8941, 20.6130**.

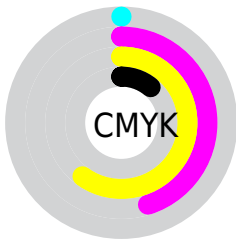
Distribution



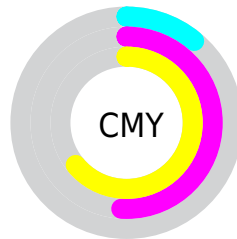
- Red (89%)
- Green (49%)
- Blue (36%)



- Red (89%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)
- Black (11%)



- Cyan (11%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9005, 31.7535, 13.8709 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 40.9005, 31.7535, 13.8709 by changing the saturation by 10% instead.


 40.9005, 31.7535,
13.8709


 40.9005, 31.7535,
13.8709


340.9743,
309.9948, 227.8266

 28.4287, 21.1733,
7.8932


 75.8085, 62.4245,
33.5736


 18.7912, 13.2507,
3.9399


 98.9754, 83.2840,
48.1357

 11.6226, 7.6014,
1.5924


 126.4380,
108.3388, 66.3963

 6.5576, 3.8410,
0.2854

 158.5616,
137.9731, 88.7741

 3.2308, 1.5850,
0.0000

195.7118,
172.5715, 115.6874

 1.2770, 0.3475,
0.0000

238.2537,

 0.1659, 0.0000,

212.5184, 147.5549

0.0000

286.5527,
258.1980, 184.7952

■ 0.0000, 0.0000,
0.0000

■ 40.9005, 31.7535,
13.8709

■ 40.9005, 31.7535,
13.8709

■ 38.0918, 27.4734,
8.8124

■ 44.3763, 36.8941,
20.6130

■ 35.9013, 24.0001,
5.2841

■ 48.5585, 42.9350,
29.1703

■ 34.2765, 21.2812,
3.1066

■ 53.4860, 49.9191,
39.6633

■ 33.1382, 19.2487,
1.9746

■ 59.1940, 57.8854,
52.2014

■ 33.1297, 19.2334,
1.9663

■ 65.7155, 66.8703,
66.8860

■ 73.0816, 76.9086,
83.8116

■ 81.3214, 88.0332,
103.0671

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



45.2849, 31.7535, 25.7103



40.9005, 31.7535, 13.8709



33.9341, 31.7535, 9.0389

Triad

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



40.9005, 31.7535, 13.8709



18.9147, 31.7535, 25.2370



33.7156, 31.7535, 87.3686

Complementary

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



40.9005, 31.7535, 13.8709



37.2482, 45.9074, 79.5704

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.



26.7149, 31.7535, 87.0806



40.9005, 31.7535, 13.8709



18.8750, 31.7535, 45.2718

Square

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



40.9005, 31.7535, 13.8709



21.6382, 31.7535, 13.6412



21.5196, 31.7535, 69.5676



40.7192, 31.7535, 70.2466

Rectangle

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



40.9005, 31.7535, 13.8709



29.1172, 31.7535, 8.5263



21.5196, 31.7535, 69.5676



31.2699, 31.7535, 89.4684

Sweetspot

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



40.9013, 31.7552, 13.8715



78.5059, 77.3582, 71.1805



45.0452, 27.6635, 53.4175



16.3027, 15.8639, 14.1203



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.



40.9013, 31.7552, 13.8715



48.7875, 34.5146, 10.1194



52.6367, 55.2260, 17.7833



14.6683, 14.9505, 15.0171



19.3995, 11.3731, 1.1728



1.5060, 0.9854, 0.1108

Inverse Universe

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



37.2482, 45.9074, 79.5704



43.5009, 54.2207, 102.7806



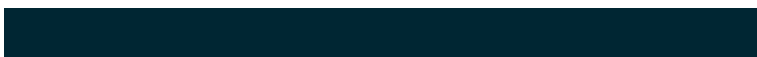
25.5133, 22.4377, 75.6588



14.4863, 15.6939, 18.4101



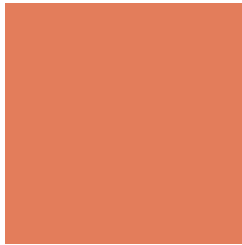
16.5929, 20.2479, 45.4169



1.2986, 1.6411, 3.3803

Previews

White Background



This preview shows how the XYZ color 40.9005, 31.7535, 13.8709 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 40.9005, 31.7535, 13.8709 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 40.9005, 31.7535, 13.8709

Background



This preview shows how black text looks on a background with the XYZ color 40.9005, 31.7535, 13.8709.



This preview shows how white text looks on a background with the XYZ color 40.9005, 31.7535,

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

40.9005, 31.7535, 13.8709

Protanopia

29.5154, 31.8488, 17.1622

Deuteranopia

32.4927, 31.8107, 13.4444



Tritanopia

42.9920, 31.6759, 24.6170

Trichromacy



Original Color

40.9005, 31.7535, 13.8709

Protanomaly

32.7661, 31.2181, 15.8540

Deuteranomaly

35.2071, 31.4381, 13.4451

Tritanomaly

42.0490, 31.6509, 20.1127

Monochromacy



Original Color

40.9005, 31.7535, 13.8709

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.2927, 30.5414, 25.3122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9005, 31.7535, 13.8709 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, 125, 91)` looks like.

```
.text, #text, p{  
    color:rgb(227, 125, 91)  
}
```

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, 125, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 125, 91) }
```

Border

The CSS property to change the border of an element to XYZ 40.9005, 31.7535, 13.8709 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, 125, 91) }
```


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

```
.border{ border-color:rgb(227, 125, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 125, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(227, 125,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9005, 31.7535, 13.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 125, 91) }
```

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

```
.background{ background-color: rgb(227,  
125, 91) }
```

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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