

Converting Colors

XYZ(42.0413, 31.4761, 14.3178)

Have a look what the booklet for
XYZ(42.0413, 31.4761, 14.3178)
contains.

XYZ(41.9710, 31.3791, 14.2006)	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(41.9710, 31.3791,
14.2006)**

Conversions

Conversions Part 1

Format	Color
Hex	E8785D
RGB	232, 120, 93
RGB Percent	91%, 47%, 36%
CMY	0.0902, 0.5294, 0.6353
CMYK	0.00, 0.48, 0.60, 0.09
HSL	12°, 75%, 64%
HSV	12°, 60%, 91%
XYZ	41.9710, 31.3791, 14.2006
YIQ	150.4100, 75.4190, 15.3470

Conversions

Conversions Part 2

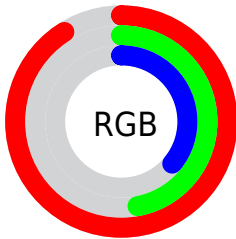
Format	Color
R _Y B	232, 127, 93
Decimal	15235165
CIE Lab	62.83, 40.98, 34.48
CIE LCh	63, 53.559, 40.078
Yxy	31.3791, 0.4794, 0.3584
Android (android.graphics.Color)	4293425245 (0xFFE8785D)
YUV	150.4100, -28.3031, 71.5544
Hunter-Lab	56.0171, 35.7120, 24.1816

Details

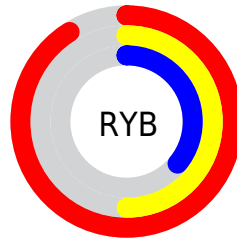
The XYZ color **41.9710, 31.3791, 14.2006** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **40.9095, 51.8129, 84.1883**, and the grayscale version is **29.2588, 30.7826, 33.5222**.

A 20% lighter version of the original color is **61.4101, 53.5457, 33.4843**, and **19.3549, 12.9894, 4.0719** is the 20% darker color. If you saturate the color by 10%, you get **39.0621, 26.9640, 8.9073**, and if you desaturate by 10%, it is **45.6319, 36.7998, 21.2824**.

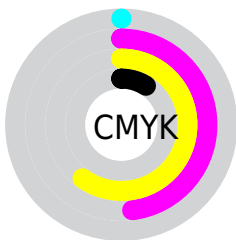
Distribution



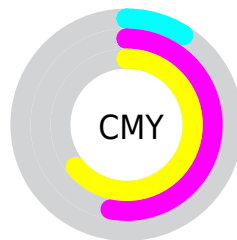
- Red (91%)
- Green (47%)
- Blue (36%)



- Red (91%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (48%)
- Yellow (60%)
- Black (9%)





- Cyan (9%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9710, 31.3791, 14.2006 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 41.9710, 31.3791, 14.2006 by changing the saturation by 10% instead.


 41.9710, 31.3791,
14.2006


 41.9710, 31.3791,
14.2006


345.3564,
308.2810, 229.9469


 29.2696, 20.8877,
8.1200


 77.4212, 61.8364,
34.1668


 19.4302, 13.0419,
4.0829


 100.9006, 82.5712,
48.8894

 12.0874, 7.4574,
1.6710


 128.7035,
107.4891, 67.3298

 6.8758, 3.7498,
0.3407

 161.1952,
136.9747, 89.9065

 3.4302, 1.5346,
0.0000

198.7409,
171.4123, 117.0380

 1.3851, 0.3129,
0.0000

241.7061,

 0.2456, 0.0000,

211.1862, 149.1429

0.0000

290.4562,
256.6810, 186.6396

■ 0.0000, 0.0000,
0.0000

■ 41.9710, 31.3791,
14.2006

■ 41.9710, 31.3791,
14.2006

■ 39.0621, 26.9640,
8.9073

■ 45.6319, 36.7998,
21.2824

■ 36.8481, 23.4867,
5.2386

■ 50.0916, 43.2784,
30.2935

■ 35.2667, 20.8781,
3.0030

■ 55.3956, 50.8696,
41.3624

■ 34.2271, 19.0511,
1.8790

■ 61.5855, 59.6228,
54.6060

■ 34.2198, 19.0383,
1.8712

■ 68.6998, 69.5842,
70.1325

■ 76.7748, 80.7977,
88.0428

■ 85.7802, 93.2791,
108.0913

■ 87.0886, 95.8957,
108.5274

Harmonies

Analogous

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



45.9781, 31.3791, 27.5746



41.9710, 31.3791, 14.2006



34.8936, 31.3791, 8.5230

Triad

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



41.9710, 31.3791, 14.2006



18.4329, 31.3791, 22.1682



32.3616, 31.3791, 91.3629

Complementary

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



41.9710, 31.3791, 14.2006



40.9095, 51.8129, 84.1883

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.



25.2725, 31.3791, 87.9499



41.9710, 31.3791, 14.2006



17.9821, 31.3791, 41.7332

Square

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



41.9710, 31.3791, 14.2006



21.6347, 31.3791, 11.6419



20.2822, 31.3791, 67.3289



39.8582, 31.3791, 75.3309

Rectangle

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



41.9710, 31.3791, 14.2006



29.8058, 31.3791, 7.6005



20.2822, 31.3791, 67.3289



29.8440, 31.3791, 92.5687

Sweetspot

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



41.9717, 31.3808, 14.2012



77.8371, 76.0205, 70.9575



48.3965, 29.4660, 61.8588



16.1421, 15.5428, 14.0668



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.



41.9717, 31.3808, 14.2012



47.6554, 32.2504, 9.7420



53.2341, 53.9054, 17.9553



14.6025, 14.8189, 14.9952



19.0667, 10.7076, 1.0618



1.4728, 0.9189, 0.0997

Inverse Universe

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



40.9095, 51.8129, 84.1883



46.0952, 59.4093, 103.6454



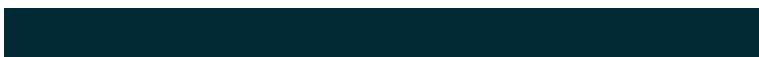
28.0279, 26.0497, 79.8944



14.5570, 15.8355, 18.4336



18.0321, 23.1262, 45.8966



1.3936, 1.8312, 3.4120

Previews

White Background



This preview shows how the XYZ color 41.9710, 31.3791, 14.2006 looks on a white background.

Color Contrast Check

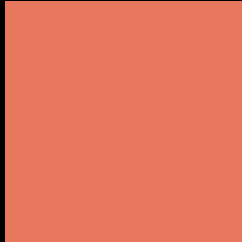
Large Text (above 18pt) WCAG AA × Fail

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 41.9710, 31.3791, 14.2006 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 41.9710, 31.3791, 14.2006

Background



This preview shows how black text looks on a background with the XYZ color 41.9710, 31.3791, 14.2006.



This preview shows how white text looks on a background with the XYZ color 41.9710, 31.3791,

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

41.9710, 31.3791, 14.2006

Protanopia

29.3468, 31.4964, 18.1683

Deuteranopia

32.1366, 31.3945, 13.5985



Tritanopia

43.8152, 31.4384, 22.8277

Trichromacy



Original Color

41.9710, 31.3791, 14.2006

Protanomaly

32.7133, 30.5146, 16.4776

Deuteranomaly

35.2782, 31.0430, 13.8054

Tritanomaly

42.9462, 31.2385, 19.3889

Monochromacy



Original Color

41.9710, 31.3791, 14.2006

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.0175, 29.7535, 24.8244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9710, 31.3791, 14.2006 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(232, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(232, 120, 93)  
}
```

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(232, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 120, 93) }
```

Border

The CSS property to change the border of an element to XYZ 41.9710, 31.3791, 14.2006 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(232, 120, 93) }
```


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

```
.border{ border-color:rgb(232, 120, 93) }
```

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

Here you see how a box with a 4 pixel rgb(232, 120, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(232, 120,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9710, 31.3791, 14.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 120, 93) }
```

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

```
.background{ background-color: rgb(232,  
120, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor