

Converting Colors

XYZ(41.7132, 32.7551, 14.5266)

Have a look what the booklet for
XYZ(41.7132, 32.7551, 14.5266)
contains.

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Color

**XYZ(41.6899, 32.7226,
14.4747)**

Conversions

Conversions Part 1

Format	Color
Hex	E4805D
RGB	228, 128, 93
RGB Percent	89%, 50%, 36%
CMY	0.1059, 0.4980, 0.6353
CMYK	0.00, 0.44, 0.59, 0.11
HSL	16°, 71%, 63%
HSV	16°, 59%, 89%
XYZ	41.6899, 32.7226, 14.4747
YIQ	153.9100, 70.8350, 10.3150

Conversions

Conversions Part 2

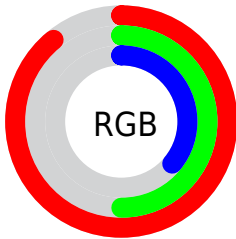
Format	Color
R _{YB}	228, 140, 93
Decimal	14975069
CIE Lab	63.94, 35.35, 35.75
CIE LCh	64, 50.272, 45.321
Yxy	32.7226, 0.4690, 0.3681
Android (android.graphics.Color)	4293165149 (0xFFE4805D)
YUV	153.9100, -30.0286, 64.9769
Hunter-Lab	57.2037, 29.9840, 25.0399

Details

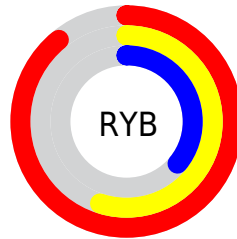
The XYZ color **41.6899, 32.7226, 14.4747** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.5866, 46.0661, 80.3092**, and the grayscale version is **30.7823, 32.3854, 35.2677**.

A 20% lighter version of the original color is **63.0020, 56.7295, 34.0149**, and **19.2955, 13.8298, 4.2372** is the 20% darker color. If you saturate the color by 10%, you get **38.8041, 28.3334, 9.2514**, and if you desaturate by 10%, it is **45.2449, 37.9688, 21.4065**.

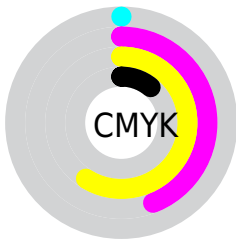
Distribution



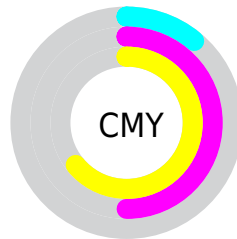
- Red (89%)
- Green (50%)
- Blue (36%)



- Red (89%)
- Yellow (55%)
- Blue (36%)



- Cyan (0%)
- Magenta (44%)
- Yellow (59%)
- Black (11%)





- Cyan (11%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6899, 32.7226, 14.4747 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 41.6899, 32.7226, 14.4747 by changing the saturation by 10% instead.


 41.6899, 32.7226,
14.4747


 41.6899, 32.7226,
14.4747


344.2094,
314.3979, 231.6945


 29.0486, 21.9140,
8.3091


 76.9982, 63.9422,
34.6581

 19.2621, 13.7937,
4.2027


 100.3959, 85.1220,
49.5130

 11.9649, 7.9773,
1.7372


 128.1098,
110.5277, 68.1014

 6.7918, 4.0805,
0.3860

 160.5052,
140.5436, 90.8418

 3.3774, 1.7187,
0.0000

197.9475,
175.5542, 118.1528

 1.3563, 0.4357,
0.0000

240.8021,

 0.2248, 0.0000,

215.9439, 150.4528

0.0000

289.4343,
262.0970, 188.1606

■ 0.0000, 0.0000,
0.0000

■ 41.6899, 32.7226,
14.4747

■ 41.6899, 32.7226,
14.4747

■ 38.8041, 28.3334,
9.2514

■ 45.2449, 37.9688,
21.4065

■ 36.5393, 24.7489,
5.5831

■ 49.5079, 44.1104,
30.1784

■ 34.8439, 21.9183,
3.2915

■ 54.5174, 51.1895,
40.9112

■ 33.6445, 19.7775,
2.0959

■ 60.3081, 59.2439,
53.7147

■ 33.5650, 19.6343,
2.0207

■ 66.9126, 68.3093,
68.6905

■ 74.3616, 78.4196,
85.9337

■ 82.6843, 89.6070,
105.5336

■ 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



46.1663, 32.7226, 26.2883



41.6899, 32.7226, 14.4747



34.6808, 32.7226, 9.6560

Triad

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



41.6899, 32.7226, 14.4747



19.7036, 32.7226, 26.6345



34.8395, 32.7226, 88.0135

Complementary

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



41.6899, 32.7226, 14.4747



37.5866, 46.0661, 80.3092

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.



27.7780, 32.7226, 88.2203



41.6899, 32.7226, 14.4747



19.7328, 32.7226, 46.9563

Square

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



41.6899, 32.7226, 14.4747



22.3911, 32.7226, 14.6449



22.4779, 32.7226, 71.1655



41.8212, 32.7226, 70.6765

Rectangle

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



41.6899, 32.7226, 14.4747



29.8563, 32.7226, 9.2008



22.4779, 32.7226, 71.1655



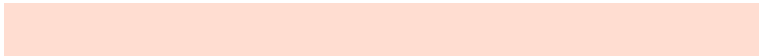
32.3815, 32.7226, 90.2574

Sweetspot

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



41.6907, 32.7243, 14.4753



78.6180, 77.5823, 71.2178



45.6750, 28.2291, 54.2278



16.3297, 15.9178, 14.1293



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.



41.6907, 32.7243, 14.4753



49.2991, 35.4033, 10.7049



53.3182, 55.9793, 18.3511



14.6793, 14.9725, 15.0207



19.4632, 11.5006, 1.1940



1.5120, 0.9974, 0.1128

Inverse Universe

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



37.5866, 46.0661, 80.3092



43.4391, 53.8117, 102.7050



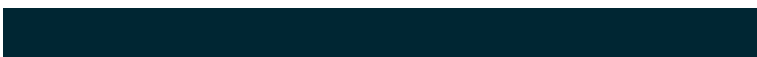
26.0751, 23.0431, 76.4721



14.4746, 15.6706, 18.4062



16.3666, 19.7953, 45.3414



1.2835, 1.6109, 3.3753

Previews

White Background



This preview shows how the XYZ color 41.6899, 32.7226, 14.4747 looks on a white background.

Color Contrast Check

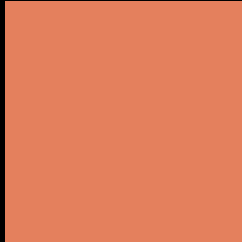
Large Text (above 18pt) WCAG AA × Fail

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 41.6899, 32.7226, 14.4747 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 41.6899, 32.7226, 14.4747

Background



This preview shows how black text looks on a background with the XYZ color 41.6899, 32.7226, 14.4747.



This preview shows how white text looks on a background with the XYZ color 41.6899, 32.7226,

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

41.6899, 32.7226, 14.4747

Protanopia

30.5822, 32.8772, 17.8308

Deuteranopia

33.3793, 32.7199, 14.0075



Tritanopia

44.2028, 32.8208, 25.8351

Trichromacy



Original Color

41.6899, 32.7226, 14.4747

Protanomaly

33.6609, 32.1180, 16.4819

Deuteranomaly

35.9989, 32.4844, 14.0456

Tritanomaly

43.2368, 32.7982, 21.1914

Monochromacy



Original Color

41.6899, 32.7226, 14.4747

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.3463, 31.7405, 26.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6899, 32.7226, 14.4747 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(228, 128, 93)` looks like.

```
.text, #text, p{  
  color:rgb(228, 128, 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(228, 128, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 128, 93) }
```

Border

The CSS property to change the border of an element to XYZ 41.6899, 32.7226, 14.4747 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(228, 128, 93) }
```


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

```
.border{ border-color:rgb(228, 128, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 128, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 128, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 128, 93);  
box-shadow:4px 4px 4px 4px rgb(228, 128,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6899, 32.7226, 14.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 128, 93) }
```

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

```
.background{ background-color: rgb(228,  
128, 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](#).

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