

Converting Colors

XYZ(41.5583, 31.8544, 13.1908)

Have a look what the booklet for
XYZ(41.5583, 31.8544, 13.1908)
contains.

XYZ(41.6022, 31.9429, 13.2054)	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(41.6022, 31.9429,
13.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	E67C58
RGB	230, 124, 88
RGB Percent	90%, 49%, 35%
CMY	0.0980, 0.5137, 0.6549
CMYK	0.00, 0.46, 0.62, 0.10
HSL	15°, 74%, 62%
HSV	15°, 62%, 90%
XYZ	41.6022, 31.9429, 13.2054
YIQ	151.5900, 74.7320, 11.2760

Conversions

Conversions Part 2

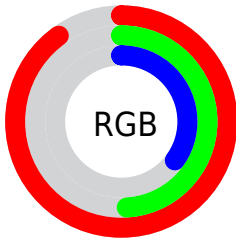
Format	Color
R _Y B	230, 136, 88
Decimal	15105112
CIE Lab	63.30, 37.84, 37.72
CIE LCh	63, 53.428, 44.908
Yxy	31.9429, 0.4796, 0.3682
Android (android.graphics.Color)	4293295192 (0xFFE67C58)
YUV	151.5900, -31.3499, 68.7656
Hunter-Lab	56.5181, 32.4849, 25.7096

Details

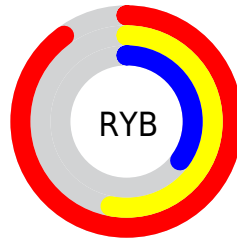
The XYZ color **41.6022, 31.9429, 13.2054** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.5977, 46.3685, 81.8308**, and the grayscale version is **29.7774, 31.3282, 34.1164**.

A 20% lighter version of the original color is **61.8206, 54.9649, 31.7771**, and **19.1450, 13.3602, 3.6675** is the 20% darker color. If you saturate the color by 10%, you get **38.8280, 27.6865, 8.2988**, and if you desaturate by 10%, it is **45.0529, 37.0720, 19.8203**.

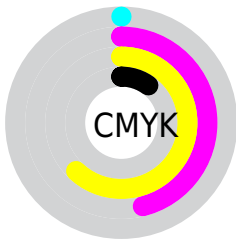
Distribution



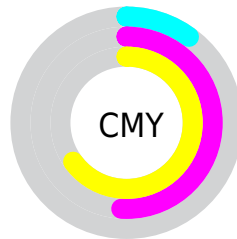
- Red (90%)
- Green (49%)
- Blue (35%)



- Red (90%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (46%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6022, 31.9429, 13.2054 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 41.6022, 31.9429, 13.2054 by changing the saturation by 10% instead.


 41.6022, 31.9429,
13.2054


 41.6022, 31.9429,
13.2054


343.8510,
310.8591, 223.4837

 28.9797, 21.3179,
7.4377


 76.8662, 62.7216,
32.3689

 19.2097, 13.3566,
3.6548


 100.2383, 83.6440,
46.6018


 11.9268, 7.6745,
1.4379


 127.9244,
108.7677, 64.4935

 6.7657, 3.8874,
0.1710

 160.2897,
138.4771, 86.4627

 3.3610, 1.6108,
0.0000

 197.6997,
173.1565, 112.9277

 1.3474, 0.3649,
0.0000

240.5197,

 0.2183, 0.0000,

213.1904, 144.3072

0.0000

289.1150,
258.9631, 181.0197

■ 0.0000, 0.0000,
0.0000

■ 41.6022, 31.9429,
13.2054

■ 41.6022, 31.9429,
13.2054

■ 38.8280, 27.6865,
8.2988

■ 45.0529, 37.0720,
19.8203

■ 36.6793, 24.2471,
4.9375

■ 49.2215, 43.1150,
28.2824

■ 35.1005, 21.5700,
2.9296

■ 54.1484, 50.1164,
38.7182

■ 34.1622, 19.8814,
2.0369

■ 59.8702, 58.1163,
51.2425

■ 66.4213, 67.1523,
65.9613

■ 73.8336, 77.2601,
82.9733

■ 82.1375, 88.4738,
102.3711

■ 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



46.3023, 31.9429, 25.3095



41.6022, 31.9429, 13.2054



34.2209, 31.9429, 8.3973

Triad

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



41.6022, 31.9429, 13.2054



18.5844, 31.9429, 25.2070



34.1729, 31.9429, 90.9374

Complementary

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



41.6022, 31.9429, 13.2054



37.5977, 46.3685, 81.8308

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.



26.8025, 31.9429, 90.8729



41.6022, 31.9429, 13.2054



18.5759, 31.9429, 46.3605

Square

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



41.6022, 31.9429, 13.2054



21.3778, 31.9429, 13.1568



21.3521, 31.9429, 72.2391



41.5622, 31.9429, 72.3904

Rectangle

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



41.6022, 31.9429, 13.2054



29.1589, 31.9429, 7.9193



21.3521, 31.9429, 72.2391



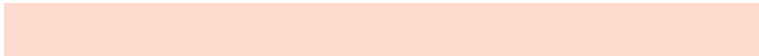
31.5952, 31.9429, 93.2783

Sweetspot

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



41.6030, 31.9446, 13.2060



77.7361, 76.3202, 69.3776



45.9166, 27.7201, 54.2641



16.1540, 15.6637, 13.7706



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.



41.6030, 31.9446, 13.2060



48.2663, 33.7250, 9.1664



53.7976, 56.3339, 17.2709



14.6725, 14.9589, 15.0185



19.4234, 11.4210, 1.1808



1.5083, 0.9899, 0.1116

Inverse Universe

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



37.5977, 46.3685, 81.8308



42.6667, 53.0880, 102.6060



25.4527, 22.0784, 77.7824



14.4818, 15.6850, 18.4086



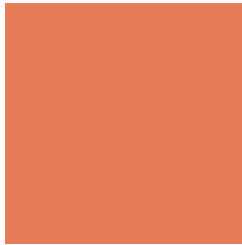
16.5064, 20.0749, 45.3880



1.2928, 1.6296, 3.3784

Previews

White Background



This preview shows how the XYZ color 41.6022, 31.9429, 13.2054 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 41.6022, 31.9429, 13.2054 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 41.6022, 31.9429, 13.2054

Background



This preview shows how black text looks on a background with the XYZ color 41.6022, 31.9429, 13.2054.



This preview shows how white text looks on a background with the XYZ color 41.6022, 31.9429,

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

41.6022, 31.9429, 13.2054

Protanopia

29.7441, 32.2275, 16.4572

Deuteranopia

32.7341, 32.1833, 12.6703



Tritanopia

43.7063, 31.8818, 23.9289

Trichromacy



Original Color

41.6022, 31.9429, 13.2054

Protanomaly

33.1232, 31.4183, 15.1450

Deuteranomaly

35.5009, 31.8176, 12.8646

Tritanomaly

42.7730, 31.8559, 19.5172

Monochromacy



Original Color

41.6022, 31.9429, 13.2054

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.4578, 30.6343, 24.9712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6022, 31.9429, 13.2054 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(230, 124, 88)` looks like.

```
.text, #text, p{  
    color:rgb(230, 124, 88)  
}
```

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(230, 124, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 124, 88) }
```

Border

The CSS property to change the border of an element to XYZ 41.6022, 31.9429, 13.2054 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(230, 124, 88) }
```


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

```
.border{ border-color:rgb(230, 124, 88) }
```

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

Here you see how a box with a 4 pixel rgb(230, 124, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 124, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 124, 88);  
box-shadow:4px 4px 4px 4px rgb(230, 124,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6022, 31.9429, 13.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 124, 88) }
```

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

```
.background{ background-color: rgb(230,  
124, 88) }
```

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