

Converting Colors

XYZ(47.6972, 42.0235, 18.4090)

Have a look what the booklet for
XYZ(47.6972, 42.0235, 18.4090)
contains.

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Color

**XYZ(47.6154, 41.9120,
18.4122)**

Conversions

Conversions Part 1

Format	Color
Hex	E89C67
RGB	232, 156, 103
RGB Percent	91%, 61%, 40%
CMY	0.0902, 0.3882, 0.5961
CMYK	0.00, 0.33, 0.56, 0.09
HSL	25°, 74%, 66%
HSV	25°, 56%, 91%
XYZ	47.6154, 41.9120, 18.4122
YIQ	172.6820, 62.3090, -0.3710

Conversions

Conversions Part 2

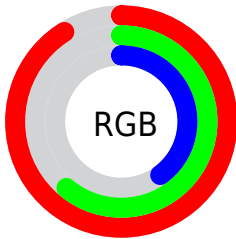
Format	Color
R _Y B	232, 193, 103
Decimal	15244391
CIE Lab	70.81, 22.92, 39.08
CIE LCh	71, 45.303, 59.601
Yxy	41.9120, 0.4411, 0.3883
Android (android.graphics.Color)	4293434471 (0xFFE89C67)
YUV	172.6820, -34.3532, 52.0219
Hunter-Lab	64.7395, 17.9913, 28.4553

Details

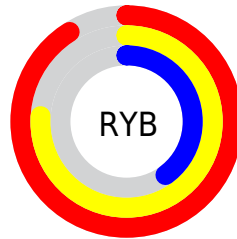
The XYZ color **47.6154, 41.9120, 18.4122** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.2783, 40.9482, 82.3354**, and the grayscale version is **39.7066, 41.7745, 45.4924**.

A 20% lighter version of the original color is **70.4507, 70.2151, 40.8501**, and **22.8497, 19.0512, 5.9630** is the 20% darker color. If you saturate the color by 10%, you get **44.4428, 37.1791, 12.3850**, and if you desaturate by 10%, it is **51.3711, 47.2945, 26.2282**.

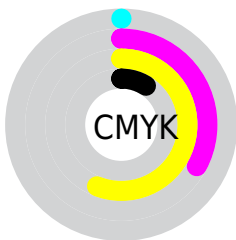
Distribution



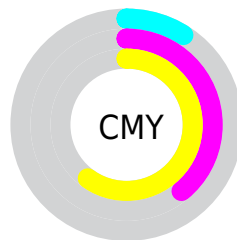
- Red (91%)
- Green (61%)
- Blue (40%)



- Red (91%)
- Yellow (76%)
- Blue (40%)



- Cyan (0%)
- Magenta (33%)
- Yellow (56%)
- Black (9%)





- Cyan (9%)
- Magenta (39%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6154, 41.9120, 18.4122 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 47.6154, 41.9120, 18.4122 by changing the saturation by 10% instead.


 47.6154, 41.9120,
18.4122


 47.6154, 41.9120,
18.4122


367.8736,
354.1180, 255.4979

 33.7324, 29.0324,
11.0738


 85.8447, 78.0664,
41.5618


 22.8500, 19.1053,
6.0017


 110.9216,
102.1100, 58.2102

 14.6029, 11.7464,
2.7773


 140.4606,
130.6438, 78.7990

 8.6257, 6.5712,
0.9821

 174.8270,
164.0520, 103.7467

 4.5530, 3.1954,
0.0000

214.3862,
202.7191, 133.4719

 2.0195, 1.2346,
0.0000

259.5034,

 0.6449, 0.0897,

247.0296, 168.3932

0.0000

310.5441,
297.3678, 208.9290

■ 0.0000, 0.0000,
0.0000

■ 47.6154, 41.9120,
18.4122

■ 47.6154, 41.9120,
18.4122

■ 44.4428, 37.1791,
12.3850

■ 51.3711, 47.2945,
26.2282

■ 41.8143, 33.0614,
7.9966

■ 55.7394, 53.3462,
35.9613

■ 39.6900, 29.5303,
5.0766

■ 60.7510, 60.0936,
47.7307

■ 38.0210, 26.5511,
3.4139

■ 66.4335, 67.5596,
61.6451

■ 37.4004, 25.3993,
2.9313

■ 72.8128, 75.7659,
77.8056

■ 79.9133, 84.7334,
96.3066

■ 86.0377, 93.7938,
108.1771

■ 87.0886, 95.8958,
108.5274

Harmonies

Analogous

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



53.7877, 41.9120, 28.0737



47.6154, 41.9120, 18.4122



39.9368, 41.9120, 15.4741

Triad

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



47.6154, 41.9120, 18.4122



27.0483, 41.9120, 45.3474



47.4193, 41.9120, 91.9795

Complementary

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



47.6154, 41.9120, 18.4122



36.2783, 40.9482, 82.3354

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.



39.7355, 41.9120, 100.8804



47.6154, 41.9120, 18.4122



28.5333, 41.9120, 69.3173

Square

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



47.6154, 41.9120, 18.4122



28.6139, 41.9120, 27.7141



32.9539, 41.9120, 91.5203



53.6648, 41.9120, 69.9790

Rectangle

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



47.6154, 41.9120, 18.4122



35.1765, 41.9120, 16.6709



32.9539, 41.9120, 91.5203



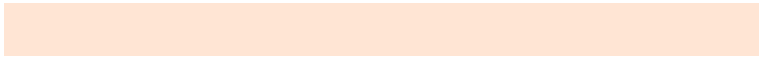
44.8900, 41.9120, 96.8615

Sweetspot

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



47.6164, 41.9141, 18.4130



81.2269, 82.2906, 73.6587



46.4081, 30.1682, 46.7713



17.0724, 17.2039, 14.9912



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.



47.6164, 41.9141, 18.4130



54.4598, 45.1298, 14.2589



61.0845, 68.8503, 22.9024



14.8609, 15.3357, 15.0813



20.8803, 14.3347, 1.6664



1.6326, 1.2385, 0.1530

Inverse Universe

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



36.2783, 40.9482, 82.3354



39.0265, 43.7255, 100.9907



26.3932, 21.1779, 79.0404



14.2850, 15.2913, 18.3430



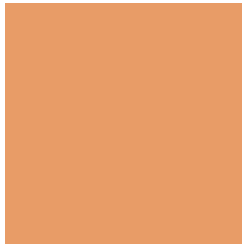
13.1536, 13.3693, 44.2704



1.0629, 1.1698, 3.3017

Previews

White Background



This preview shows how the XYZ color 47.6154, 41.9120, 18.4122 looks on a white background.

Color Contrast Check

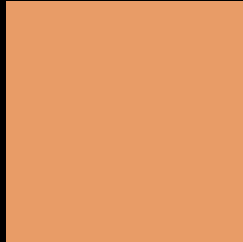
Large Text (above 18pt) WCAG AA × Fail

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 47.6154, 41.9120, 18.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

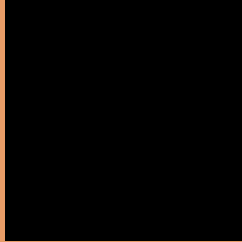
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6154, 41.9120, 18.4122

Background



This preview shows how black text looks on a background with the XYZ color 47.6154, 41.9120, 18.4122.



This preview shows how white text looks on a background with the XYZ color 47.6154, 41.9120,

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

47.6154, 41.9120, 18.4122

Protanopia

38.9368, 42.2167, 20.8483

Deuteranopia

42.8492, 42.0609, 18.1721



Tritanopia

51.6847, 41.8658, 38.6145

Trichromacy



Original Color

47.6154, 41.9120, 18.4122

Protanomaly

41.6494, 41.6781, 19.7594

Deuteranomaly

44.5320, 41.8600, 18.3031

Tritanomaly

50.1494, 41.9827, 29.8864

Monochromacy



Original Color

47.6154, 41.9120, 18.4122

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.4121, 41.2449, 33.7954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6154, 41.9120, 18.4122 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, 156, 103)` looks like.

```
.text, #text, p{  
    color:rgb(232, 156, 103)  
}
```

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, 156, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 156, 103) }
```

Border

The CSS property to change the border of an element to XYZ 47.6154, 41.9120, 18.4122 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, 156, 103) }
```


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

```
.border{ border-color:rgb(232, 156, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 156, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 156, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 156, 103);  
box-shadow:4px 4px 4px 4px rgb(232, 156,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6154, 41.9120, 18.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 156, 103) }
```

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

```
.background{ background-color: rgb(232,  
156, 103) }
```

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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