

Converting Colors

XYZ(48.3631, 42.1866, 18.7316)

Have a look what the booklet for
XYZ(48.3631, 42.1866, 18.7316)
contains.

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Color

**XYZ(48.3188, 42.2688,
18.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9C68
RGB	234, 156, 104
RGB Percent	92%, 61%, 41%
CMY	0.0824, 0.3882, 0.5922
CMYK	0.00, 0.33, 0.56, 0.08
HSL	24°, 76%, 66%
HSV	24°, 56%, 92%
XYZ	48.3188, 42.2688, 18.7087
YIQ	173.3940, 63.1800, 0.3640

Conversions

Conversions Part 2

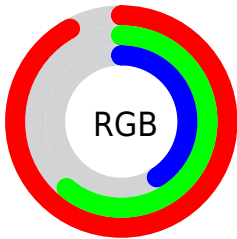
Format	Color
R_{YB}	234, 191, 104
Decimal	15375464
CIE _{Lab}	71.06, 23.81, 38.91
CIE _{LCh}	71, 45.616, 58.534
Yxy	42.2688, 0.4421, 0.3867
Android (android.graphics.Color)	4293565544 (0xFFEA9C68)
YUV	173.3940, -34.2112, 53.1515
Hunter-Lab	65.0145, 18.8860, 28.4487

Details

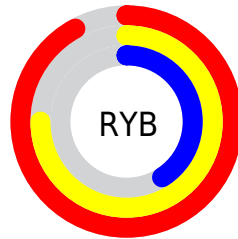
The XYZ color **48.3188, 42.2688, 18.7087** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **37.2872, 42.3374, 84.0482**, and the grayscale version is **40.0694, 42.1561, 45.9080**.

A 20% lighter version of the original color is **70.5350, 70.2488, 41.2943**, and **23.3191, 19.2904, 6.1088** is the 20% darker color. If you saturate the color by 10%, you get **45.0700, 37.4168, 12.5532**, and if you desaturate by 10%, it is **52.1717, 47.8016, 26.6930**.

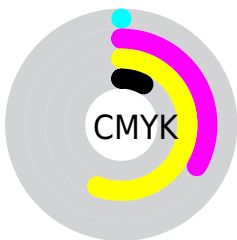
Distribution



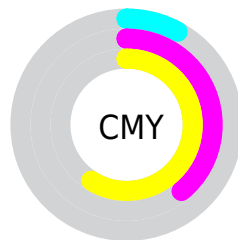
- Red (92%)
- Green (61%)
- Blue (41%)



- Red (92%)
- Yellow (75%)
- Blue (41%)



- Cyan (0%)
- Magenta (33%)
- Yellow (56%)
- Black (8%)





- Cyan (8%)
- Magenta (39%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3188, 42.2688, 18.7087 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 48.3188, 42.2688, 18.7087 by changing the saturation by 10% instead.


 48.3188, 42.2688,
18.7087


 48.3188, 42.2688,
18.7087


370.6160,
355.5960, 257.2048

 34.2917, 29.3118,
11.2853


 86.8857, 78.6063,
42.0714


 23.2817, 19.3168,
6.1425

 112.1562,
102.7556, 58.8478

 14.9235, 11.8994,
2.8617


 141.9053,
131.4044, 79.5789

 8.8517, 6.6752,
1.0245

 176.4982,
164.9373, 104.6834

 4.7009, 3.2598,
0.0000

216.3004,
203.7384, 134.5796

 2.1058, 1.2688,
0.0000

261.6772,

 0.6924, 0.1169,

248.1923, 169.6863

0.0000

312.9939,
298.6834, 210.4218

■ 0.0000, 0.0000,
0.0000

■ 48.3188, 42.2688,
18.7087

■ 48.3188, 42.2688,
18.7087

■ 45.0700, 37.4168,
12.5532

■ 52.1717, 47.8016,
26.6930

■ 42.3849, 33.2094,
8.0735

■ 56.6593, 54.0363,
36.6375

■ 40.2222, 29.6164,
5.0950

■ 61.8134, 61.0007,
48.6638

■ 38.5314, 26.6008,
3.4024

■ 67.6627, 68.7193,
62.8833

■ 37.8996, 25.4285,
2.9107

■ 74.2339, 77.2150,
79.3990

■ 81.5525, 86.5100,
98.3076

■ 87.5119, 95.7732,
108.4814

■ 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



54.4708, 42.2688, 28.7484



48.3188, 42.2688, 18.7087



40.5512, 42.2688, 15.5296

Triad

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



48.3188, 42.2688, 18.7087



27.2362, 42.2688, 44.9585



47.5884, 42.2688, 93.6065

Complementary

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



48.3188, 42.2688, 18.7087



37.2872, 42.3374, 84.0482

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.



39.8016, 42.2688, 102.0059



48.3188, 42.2688, 18.7087



28.6290, 42.2688, 69.1185

Square

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



48.3188, 42.2688, 18.7087



28.9291, 42.2688, 27.4112



33.0023, 42.2688, 91.8940



54.0130, 42.2688, 71.5853

Rectangle

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



48.3188, 42.2688, 18.7087



35.6955, 42.2688, 16.6015



33.0023, 42.2688, 91.8940



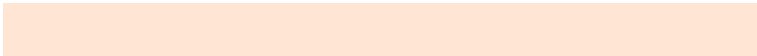
45.0149, 42.2688, 98.3735

Sweetspot

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



48.3198, 42.2709, 18.7095



81.0966, 82.0299, 73.6152



47.3255, 30.7707, 47.7012



17.0417, 17.1426, 14.9810



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.



48.3198, 42.2709, 18.7095



54.1553, 44.5207, 14.1574



62.2866, 70.2046, 23.3651



15.5600, 16.0430, 15.7952



21.4129, 14.5200, 1.6741



1.7733, 1.3239, 0.1621

Inverse Universe

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



37.2872, 42.3374, 84.0482



39.4163, 44.5052, 101.1206



26.9218, 21.6065, 80.5930



14.9829, 16.0522, 19.2309



13.7740, 14.1951, 45.7569



1.1753, 1.3020, 3.6243

Previews

White Background



This preview shows how the XYZ color 48.3188, 42.2688, 18.7087 looks on a white background.

Color Contrast Check

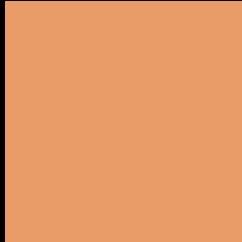
Large Text (above 18pt) WCAG AA × Fail

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 48.3188, 42.2688, 18.7087 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 48.3188, 42.2688, 18.7087

Background



This preview shows how black text looks on a background with the XYZ color 48.3188, 42.2688, 18.7087.



This preview shows how white text looks on a background with the XYZ color 48.3188, 42.2688,

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

48.3188, 42.2688, 18.7087

Protanopia

39.2405, 42.3670, 21.1484

Deuteranopia

43.1859, 42.2288, 18.4452



Tritanopia

52.3525, 42.2101, 38.6458

Trichromacy



Original Color

48.3188, 42.2688, 18.7087

Protanomaly

41.9791, 41.8420, 20.0511

Deuteranomaly

44.8837, 42.0356, 18.5800

Tritanomaly

50.8869, 42.3544, 30.3041

Monochromacy



Original Color

48.3188, 42.2688, 18.7087

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.6697, 41.3777, 33.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3188, 42.2688, 18.7087 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(234, 156, 104)` looks like.

```
.text, #text, p{  
    color:rgb(234, 156, 104)  
}
```

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(234, 156, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 156, 104) }
```

Border

The CSS property to change the border of an element to XYZ 48.3188, 42.2688, 18.7087 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(234, 156, 104) }
```


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

```
.border{ border-color:rgb(234, 156, 104) }
```

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

Here you see how a box with a 4 pixel rgb(234, 156, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 156, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 156, 104);  
box-shadow:4px 4px 4px 4px rgb(234, 156,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3188, 42.2688, 18.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 156, 104) }
```

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

```
.background{ background-color: rgb(234,  
156, 104) }
```

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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