

Converting Colors

XYZ(48.9437, 37.7047, 20.2998)

Have a look what the booklet for
XYZ(48.9437, 37.7047, 20.2998)
contains.

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Color

**XYZ(48.9528, 37.7533,
20.3298)**

Conversions

Conversions Part 1

Format	Color
Hex	F48771
RGB	244, 135, 113
RGB Percent	96%, 53%, 44%
CMY	0.0431, 0.4706, 0.5569
CMYK	0.00, 0.45, 0.54, 0.04
HSL	10°, 86%, 70%
HSV	10°, 54%, 96%
XYZ	48.9528, 37.7533, 20.3298
YIQ	165.0830, 72.0260, 16.2660

Conversions

Conversions Part 2

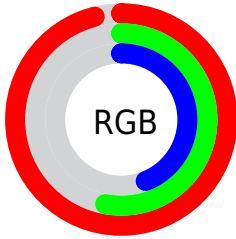
Format	Color
RYB	244, 139, 113
Decimal	16025457
CIELab	67.84, 39.42, 30.24
CIELCh	68, 49.679, 37.493
Yxy	37.7533, 0.4573, 0.3527
Android (android.graphics.Color)	4294215537 (0xFFFF48771)
YUV	165.0830, -25.6769, 69.2102
Hunter-Lab	61.4437, 34.6862, 23.3934

Details

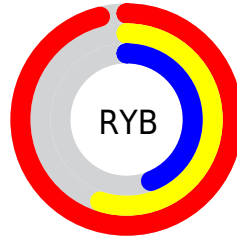
The XYZ color **48.9528, 37.7533, 20.3298** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.2588, 62.2814, 95.0128**, and the grayscale version is **35.9002, 37.7698, 41.1313**.

A 20% lighter version of the original color is **66.4450, 60.8035, 43.8315**, and **23.5758, 16.6354, 6.9694** is the 20% darker color. If you saturate the color by 10%, you get **45.1918, 32.1422, 13.1858**, and if you desaturate by 10%, it is **53.6250, 44.5961, 29.5996**.

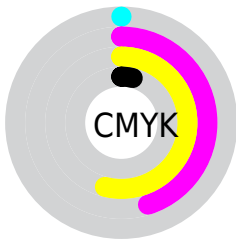
Distribution



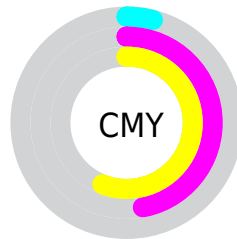
- Red (96%)
- Green (53%)
- Blue (44%)



- Red (96%)
- Yellow (55%)
- Blue (44%)



- Cyan (0%)
- Magenta (45%)
- Yellow (54%)
- Black (4%)





- Cyan (4%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9528, 37.7533, 20.3298 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 48.9528, 37.7533, 20.3298 by changing the saturation by 10% instead.


 48.9528, 37.7533,
20.3298


 48.9528, 37.7533,
20.3298


373.0765,
336.5605, 266.3580

 34.7964, 25.7913,
12.4486


 87.8225, 71.7299,
44.8356


 23.6719, 16.6676,
6.9237

 113.2665, 94.5132,
62.2973

 15.2138, 9.9978,
3.3367


 143.2038,
121.6724, 83.7896

 9.0569, 5.3975,
1.2690

 177.9997,
153.5919, 109.7309

 4.8357, 2.4823,
0.0362

218.0196,
190.6560, 140.5399

 2.1850, 0.8678,
0.0000

263.6287,

 0.7348, 0.0000,

233.2493, 176.6350

0.0000

315.1926,
281.7560, 218.4349

■ 0.0000, 0.0000,
0.0000

■ 48.9528, 37.7533,
20.3298

■ 48.9528, 37.7533,
20.3298

■ 45.1918, 32.1422,
13.1858

■ 53.6250, 44.5961,
29.5996

■ 42.2780, 27.6831,
7.9957

■ 59.2608, 52.7323,
41.1448

■ 40.1434, 24.2963,
4.5637

■ 65.9121, 62.2262,
55.1034

■ 38.7072, 21.8887,
2.6519

■ 73.6260, 73.1363,
71.6023

■ 38.1006, 20.8181,
2.0102

■ 82.4468, 85.5177,
90.7591

91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



52.6469, 37.7533, 35.8240



48.9528, 37.7533, 20.3298



41.8518, 37.7533, 13.0679

Triad

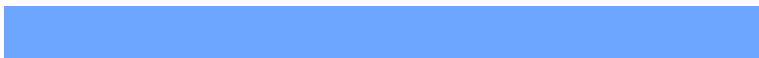
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.9528, 37.7533, 20.3298



23.8743, 37.7533, 26.9235



37.8480, 37.7533, 99.0740

Complementary

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



48.9528, 37.7533, 20.3298



49.2588, 62.2814, 95.0128

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.



30.5112, 37.7533, 94.0102



48.9528, 37.7533, 20.3298



23.1196, 37.7533, 46.8853

Square

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



48.9528, 37.7533, 20.3298



27.6084, 37.7533, 15.8151



25.3755, 37.7533, 72.6771



45.6658, 37.7533, 84.7390

Rectangle

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



48.9528, 37.7533, 20.3298



36.5346, 37.7533, 11.6386



25.3755, 37.7533, 72.6771



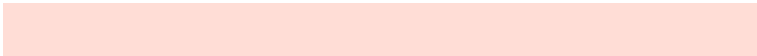
35.2399, 37.7533, 99.6528

Sweetspot

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



48.9537, 37.7553, 20.3305



79.2738, 77.8666, 74.6039



56.4204, 36.3264, 73.2622



16.5828, 16.1227, 15.1424



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.



48.9537, 37.7553, 20.3305



49.7855, 35.2742, 14.2641



61.0203, 61.8884, 24.3527



16.7240, 16.9322, 17.1844



20.7833, 11.4521, 1.1151



1.8899, 1.1330, 0.1191

Inverse Universe

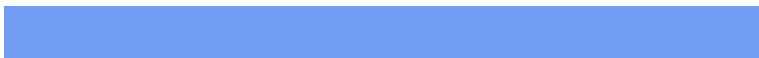
The Inverse Universe completely reimagines the original color for something new.



49.2588, 62.2814, 95.0128



50.0729, 64.7434, 104.4654



35.1400, 34.0439, 90.3065



16.7459, 18.2561, 21.1838



20.5801, 26.9540, 50.6560



1.8702, 2.4919, 4.4726

Previews

White Background



This preview shows how the XYZ color 48.9528, 37.7533, 20.3298 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 48.9528, 37.7533, 20.3298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

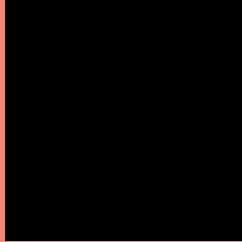
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9528, 37.7533, 20.3298

Background



This preview shows how black text looks on a background with the XYZ color 48.9528, 37.7533, 20.3298.



This preview shows how white text looks on a background with the XYZ color 48.9528, 37.7533,

20.3298.

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

48.9528, 37.7533, 20.3298

Protanopia

35.3525, 37.7637, 25.1645

Deuteranopia

38.5404, 37.7000, 19.7135



Tritanopia

50.9301, 37.7485, 29.8012

Trichromacy



Original Color

48.9528, 37.7533, 20.3298

Protanomaly

39.0942, 36.9092, 23.1529

Deuteranomaly

41.7452, 37.3856, 19.7678

Tritanomaly

50.0042, 37.5537, 26.0858

Monochromacy



Original Color

48.9528, 37.7533, 20.3298

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.9920, 36.6559, 32.2143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9528, 37.7533, 20.3298 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(244, 135, 113)` looks like.

```
.text, #text, p{  
    color:rgb(244, 135, 113)  
}
```

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(244, 135, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 135, 113) }
```

Border

The CSS property to change the border of an element to XYZ 48.9528, 37.7533, 20.3298 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(244, 135, 113) }
```


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

```
.border{ border-color:rgb(244, 135, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 135, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 135, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 135, 113);  
box-shadow:4px 4px 4px 4px rgb(244, 135,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9528, 37.7533, 20.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 135, 113) }
```

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

```
.background{ background-color: rgb(244,  
135, 113) }
```

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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