

Converting Colors

XYZ(48.0168, 37.5124, 19.9692)

Have a look what the booklet for
XYZ(48.0168, 37.5124, 19.9692)
contains.

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Color

**XYZ(48.0044, 37.4789,
20.0333)**

Conversions

Conversions Part 1

Format	Color
Hex	F18870
RGB	241, 136, 112
RGB Percent	95%, 53%, 44%
CMY	0.0549, 0.4666, 0.5608
CMYK	0.00, 0.44, 0.54, 0.05
HSL	11°, 82%, 69%
HSV	11°, 54%, 95%
XYZ	48.0044, 37.4789, 20.0333
YIQ	164.6590, 70.2840, 14.7960

Conversions

Conversions Part 2

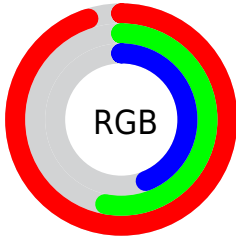
Format	Color
R_{YB}	241, 141, 112
Decimal	15829104
CIE _{Lab}	67.63, 37.69, 30.45
CIE _{LCh}	68, 48.450, 38.931
Yxy	37.4789, 0.4549, 0.3552
Android (android.graphics.Color)	4294019184 (0xFFFF18870)
YUV	164.6590, -25.9609, 66.9511
Hunter-Lab	61.2200, 32.8320, 23.4523

Details

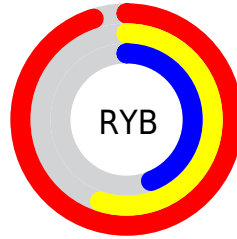
The XYZ color **48.0044, 37.4789, 20.0333** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3707, 59.4183, 92.1909**, and the grayscale version is **35.6986, 37.5577, 40.9003**.

A 20% lighter version of the original color is **66.5716, 61.2019, 43.4264**, and **23.1518, 16.5346, 6.8217** is the 20% darker color. If you saturate the color by 10%, you get **44.3235, 31.9849, 13.0487**, and if you desaturate by 10%, it is **52.5518, 44.1314, 29.0787**.

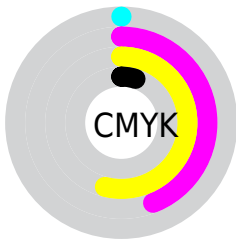
Distribution



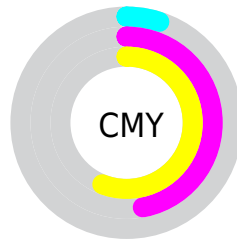
- Red (95%)
- Green (53%)
- Blue (44%)



- Red (95%)
- Yellow (55%)
- Blue (44%)



- Cyan (0%)
- Magenta (44%)
- Yellow (54%)
- Black (5%)





- Cyan (5%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0044, 37.4789, 20.0333 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 48.0044, 37.4789, 20.0333 by changing the saturation by 10% instead.


 48.0044, 37.4789,
20.0333


 48.0044, 37.4789,
20.0333


369.3919,
335.3793, 264.7055

 34.0416, 25.5785,
12.2349


 86.4206, 71.3087,
44.3327


 23.0886, 16.5086,
6.7794


 111.6048, 94.0069,
61.6708

 14.7800, 9.8847,
3.2482


 141.2601,
121.0732, 83.0260

 8.7505, 5.3226,
1.2227

 175.7520,
152.8919, 108.8166

 4.6346, 2.4378,
0.0000

215.4457,
189.8475, 139.4614

 2.0670, 0.8452,
0.0000

260.7067,

 0.6712, 0.0000,

232.3243, 175.3788

0.0000

311.9003,
280.7068, 216.9873

■ 0.0000, 0.0000,
0.0000

■ 48.0044, 37.4789,
20.0333

■ 48.0044, 37.4789,
20.0333

■ 44.3235, 31.9849,
13.0487

■ 52.5518, 44.1314,
29.0787

■ 41.4493, 27.5768,
7.9591

■ 58.0144, 51.9982,
40.3290

■ 39.3186, 24.1822,
4.5763

■ 64.4409, 61.1381,
53.9175

■ 37.8563, 21.7175,
2.6714

■ 71.8751, 71.6046,
69.9665

■ 37.2081, 20.5659,
2.0085

■ 80.3586, 83.4481,
88.5894

■ 89.6715, 96.6126,
108.5297

■ 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



51.7786, 37.4789, 34.7495



48.0044, 37.4789, 20.0333



41.0394, 37.4789, 13.2008

Triad

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



48.0044, 37.4789, 20.0333



23.8304, 37.4789, 27.7349



37.8992, 37.4789, 96.4242

Complementary

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



48.0044, 37.4789, 20.0333



47.3707, 59.4183, 92.1909

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.



30.7047, 37.4789, 92.4855



48.0044, 37.4789, 20.0333



23.2342, 37.4789, 47.5330

Square

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



48.0044, 37.4789, 20.0333



27.3379, 37.4789, 16.4445



25.5770, 37.4789, 72.4980



45.4317, 37.4789, 81.8990

Rectangle

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



48.0044, 37.4789, 20.0333



35.8912, 37.4789, 11.9500



25.5770, 37.4789, 72.4980



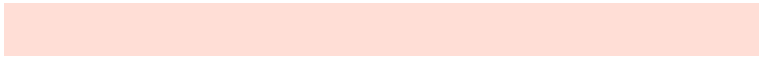
35.3553, 37.4789, 97.2989

Sweetspot

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



48.0053, 37.4808, 20.0340



79.4694, 78.2577, 74.6691



54.6398, 35.3173, 69.8216



16.6288, 16.2147, 15.1578



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.



48.0053, 37.4808, 20.0340



50.1435, 35.9901, 14.3834



59.8893, 61.2487, 23.9953



16.0108, 16.2346, 16.4395



20.2483, 11.2946, 1.1129



1.7498, 1.0703, 0.1144

Inverse Universe

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



47.3707, 59.4183, 92.1909



49.2689, 63.1355, 104.1974



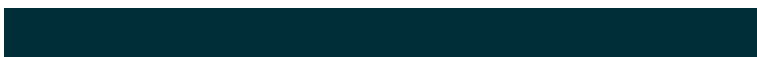
33.9262, 32.5293, 87.7094



15.9827, 17.3996, 20.2377



19.4260, 25.0763, 48.9442



1.6800, 2.2141, 4.0930

Previews

White Background



This preview shows how the XYZ color 48.0044, 37.4789, 20.0333 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 48.0044, 37.4789, 20.0333 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 48.0044, 37.4789, 20.0333

Background



This preview shows how black text looks on a background with the XYZ color 48.0044, 37.4789, 20.0333.



This preview shows how white text looks on a background with the XYZ color 48.0044, 37.4789,

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

48.0044, 37.4789, 20.0333

Protanopia

35.2247, 37.7126, 24.4915

Deuteranopia

38.4868, 37.6785, 19.4316



Tritanopia

50.0211, 37.4803, 29.7973

Trichromacy



Original Color

48.0044, 37.4789, 20.0333

Protanomaly

38.7652, 36.7466, 22.8190

Deuteranomaly

41.3982, 37.2130, 19.4689

Tritanomaly

49.0347, 37.2640, 25.7274

Monochromacy



Original Color

48.0044, 37.4789, 20.0333

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7362, 36.5240, 32.2023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0044, 37.4789, 20.0333 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(241, 136, 112)` looks like.

```
.text, #text, p{  
    color:rgb(241, 136, 112)  
}
```

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(241, 136, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 136, 112) }
```

Border

The CSS property to change the border of an element to XYZ 48.0044, 37.4789, 20.0333 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(241, 136, 112) }
```


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

```
.border{ border-color:rgb(241, 136, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 136, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 136, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 136, 112);  
box-shadow:4px 4px 4px 4px rgb(241, 136,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0044, 37.4789, 20.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 136, 112) }
```

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

```
.background{ background-color: rgb(241,  
136, 112) }
```

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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