

Converting Colors

XYZ(48.8667, 33.7807, 12.8980)

Have a look what the booklet for
XYZ(48.8667, 33.7807, 12.8980)
contains.

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Color

**XYZ(48.8654, 33.7584,
12.9574)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7157
RGB	255, 113, 87
RGB Percent	100%, 44%, 34%
CMY	0.0000, 0.5568, 0.6588
CMYK	0.00, 0.56, 0.66, 0.00
HSL	9°, 100%, 67%
HSV	9°, 66%, 100%
XYZ	48.8654, 33.7584, 12.9574
YIQ	152.4940, 92.9780, 22.0180

Conversions

Conversions Part 2

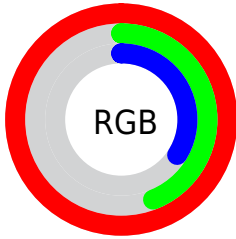
Format	Color
R_{YB}	255, 118, 87
Decimal	16740695
CIE Lab	64.77, 52.40, 40.88
CIE LCh	65, 66.465, 37.961
Yxy	33.7584, 0.5112, 0.3532
Android (android.graphics.Color)	4294930775 (0xFFFF7157)
YUV	152.4940, -32.2885, 89.8978
Hunter-Lab	58.1020, 48.4451, 27.4490

Details

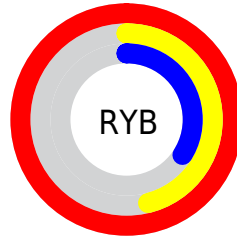
The XYZ color **48.8654, 33.7584, 12.9574** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **49.9974, 65.2801, 104.5722**, and the grayscale version is **30.1672, 31.7382, 34.5629**.

A 20% lighter version of the original color is **59.8301, 51.1002, 30.7547**, and **23.6343, 14.3858, 3.5386** is the 20% darker color. If you saturate the color by 10%, you get **45.8758, 29.1627, 7.6971**, and if you desaturate by 10%, it is **52.7952, 39.6467, 20.3459**.

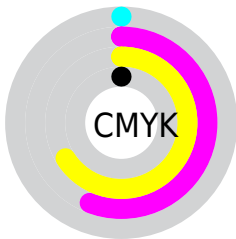
Distribution



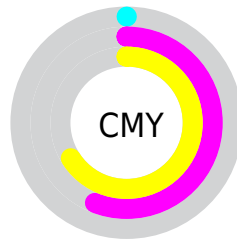
- Red (100%)
- Green (44%)
- Blue (34%)



- Red (100%)
- Yellow (46%)
- Blue (34%)



- Cyan (0%)
- Magenta (56%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8654, 33.7584, 12.9574 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 48.8654, 33.7584, 12.9574 by changing the saturation by 10% instead.


 48.8654, 33.7584,
12.9574


 48.8654, 33.7584,
12.9574


372.7379,
319.0534, 221.8427


 34.7268, 22.7081,
7.2688


 87.6934, 65.5578,
31.9173

 23.6180, 14.3781,
3.5498


 113.1136, 87.0756,
46.0257

 15.1737, 8.3841,
1.3818


 143.0250,
112.8514, 63.7778

 9.0285, 4.3417,
0.1274

 177.7930,
143.2695, 85.5922

 4.8170, 1.8665,
0.0000

 217.7829,
178.7144, 111.8873

 2.1740, 0.5281,
0.0000

263.3601,

 0.7290, 0.0000,

219.5704, 143.0817

0.0000

314.8900,
266.2220, 179.5940

■ 0.0000, 0.0000,
0.0000

■ 48.8654, 33.7584,
12.9574

■ 48.8654, 33.7584,
12.9574

■ 45.8758, 29.1627,
7.6971

■ 52.7952, 39.6467,
20.3459

■ 43.7423, 25.7556,
4.3350

■ 57.7348, 46.9099,
30.0568


■ 42.3687, 23.4257,
2.5902

■ 63.7496, 55.6302,
42.2639

■ 41.9809, 22.7424,
2.1771

■ 70.8988, 65.8813,
57.1243

■ 79.2373, 77.7323,
74.7819

 88.8163, 91.2477,
95.3702

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



53.9440, 33.7584, 29.9389



48.8654, 33.7584, 12.9574



39.4877, 33.7584, 6.3724

Triad

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



48.8654, 33.7584, 12.9574



17.8888, 33.7584, 20.3343



34.6995, 33.7584, 117.3989

Complementary

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



48.8654, 33.7584, 12.9574



49.9974, 65.2801, 104.5722

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.



25.6729, 33.7584, 110.3065



48.8654, 33.7584, 12.9574



17.1108, 33.7584, 44.5392

Square

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



48.8654, 33.7584, 12.9574



22.0577, 33.7584, 8.9182



19.6690, 33.7584, 79.5663



44.7700, 33.7584, 95.8249

Rectangle

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



48.8654, 33.7584, 12.9574



32.7445, 33.7584, 5.2591



19.6690, 33.7584, 79.5663



31.4370, 33.7584, 118.4298

Sweetspot

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



48.8662, 33.7603, 12.9580



75.6564, 72.6543, 67.1629



58.9028, 33.7784, 78.1307



15.6959, 14.8433, 13.3226



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.



48.8662, 33.7603, 12.9580



45.1231, 27.9777, 6.4569



62.7451, 61.5181, 17.5843



18.2364, 18.4409, 18.7426



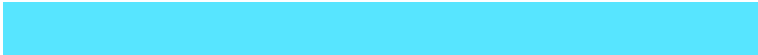
22.0032, 12.0176, 1.1599



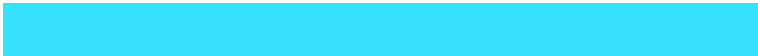
2.2053, 1.2959, 0.1339

Inverse Universe

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



49.9974, 65.2801, 104.5722



46.1529, 61.2030, 103.9886



32.2286, 29.7426, 98.6493



18.3012, 19.9741, 23.1408



22.2890, 29.4875, 53.9515



2.2319, 2.9946, 5.2736

Previews

White Background



This preview shows how the XYZ color 48.8654, 33.7584, 12.9574 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 48.8654, 33.7584, 12.9574 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 48.8654, 33.7584, 12.9574

Background



This preview shows how black text looks on a background with the XYZ color 48.8654, 33.7584, 12.9574.



This preview shows how white text looks on a background with the XYZ color 48.8654, 33.7584,

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

48.8654, 33.7584, 12.9574

Protanopia

31.2997, 33.7511, 17.6969

Deuteranopia

34.6024, 33.8612, 12.3015



Tritanopia

50.0268, 33.6962, 20.6969

Trichromacy



Original Color

48.8654, 33.7584, 12.9574

Protanomaly

36.0397, 32.4694, 15.6770

Deuteranomaly

38.8259, 33.1148, 12.5291

Tritanomaly

49.5260, 33.6695, 17.5242

Monochromacy



Original Color

48.8654, 33.7584, 12.9574

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.9710, 30.5543, 24.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8654, 33.7584, 12.9574 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(255, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 87)  
}
```

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(255, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 87) }
```

Border

The CSS property to change the border of an element to XYZ 48.8654, 33.7584, 12.9574 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(255, 113, 87) }
```


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

```
.border{ border-color:rgb(255, 113, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8654, 33.7584, 12.9574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 87) }
```

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

```
.background{ background-color: rgb(255,  
113, 87) }
```

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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