

Converting Colors

XYZ(43.6597, 33.2383, 13.2626)

Have a look what the booklet for
XYZ(43.6597, 33.2383, 13.2626)
contains.

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Color

**XYZ(43.6871, 33.2047,
13.3391)**

Conversions

Conversions Part 1

Format	Color
Hex	EC7D58
RGB	236, 125, 88
RGB Percent	93%, 49%, 35%
CMY	0.0745, 0.5098, 0.6549
CMYK	0.00, 0.47, 0.63, 0.07
HSL	15°, 80%, 64%
HSV	15°, 63%, 93%
XYZ	43.6871, 33.2047, 13.3391
YIQ	153.9710, 78.0330, 12.0250

Conversions

Conversions Part 2

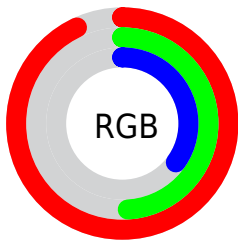
Format	Color
R _Y B	236, 137, 88
Decimal	15498584
CIE Lab	64.33, 39.64, 39.16
CIE LCh	64, 55.720, 44.655
Yxy	33.2047, 0.4842, 0.3680
Android (android.graphics.Color)	4293688664 (0xFFEC7D58)
YUV	153.9710, -32.5237, 71.9394
Hunter-Lab	57.6235, 34.4881, 26.6116

Details

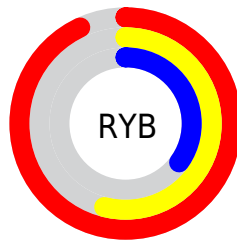
The XYZ color **43.6871, 33.2047, 13.3391** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **39.5867, 48.9745, 86.7229**, and the grayscale version is **30.8177, 32.4226, 35.3082**.

A 20% lighter version of the original color is **62.0203, 55.3643, 31.8436**, and **20.4620, 14.0391, 3.7292** is the 20% darker color. If you saturate the color by 10%, you get **40.8186, 28.7873, 8.3157**, and if you desaturate by 10%, it is **47.2727, 38.5506, 20.1626**.

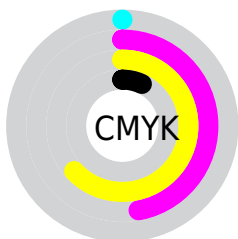
Distribution



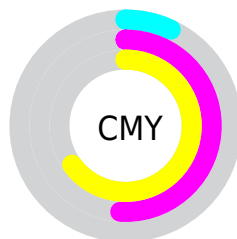
- Red (93%)
- Green (49%)
- Blue (35%)



- Red (93%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (7%)





- Cyan (7%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6871, 33.2047, 13.3391 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 43.6871, 33.2047, 13.3391 by changing the saturation by 10% instead.


 43.6871, 33.2047,
13.3391


 43.6871, 33.2047,
13.3391


352.3037,
316.5711, 224.3632


 30.6214, 22.2833,
7.5290


 79.9960, 64.6950,
32.6117


 20.4612, 14.0652,
3.7117


 103.9699, 86.0327,
46.9113


 12.8409, 8.1660,
1.4685

 132.3106,
111.6112, 64.8779

 7.3953, 4.2014,
0.1943

 165.3835,
141.8151, 86.9299

 3.7591, 1.7868,
0.0000

 203.5539,
177.0286, 113.4859

 1.5668, 0.4789,
0.0000

247.1872,

 0.3706, 0.0000,

217.6362, 144.9644

0.0000

296.6486,
264.0222, 181.7840

■ 0.0000, 0.0000,
0.0000

■ 43.6871, 33.2047,
13.3391

■ 43.6871, 33.2047,
13.3391

■ 40.8186, 28.7873,
8.3157

■ 47.2727, 38.5506,
20.1626

■ 38.6119, 25.2381,
4.9161

■ 51.6203, 44.8700,
28.9361

■ 37.0062, 22.4970,
2.9305

■ 56.7737, 52.2113,
39.7960

■ 36.1563, 20.9617,
2.1404

■ 62.7723, 60.6178,
52.8655

■ 69.6532, 70.1304,
68.2585

■ 77.4509, 80.7878,
86.0809

■ 86.1981, 92.6267,
106.4319

■ 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



48.7157, 33.2047, 26.1994



43.6871, 33.2047, 13.3391



35.7663, 33.2047, 8.2878

Triad

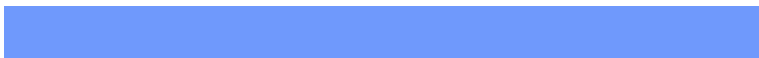
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.6871, 33.2047, 13.3391



19.0286, 33.2047, 25.7925



35.5742, 33.2047, 96.9376

Complementary

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



43.6871, 33.2047, 13.3391



39.5867, 48.9745, 86.7229

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.



27.6972, 33.2047, 96.6756



43.6871, 33.2047, 13.3391



18.9948, 33.2047, 48.3569

Square

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



43.6871, 33.2047, 13.3391



22.0165, 33.2047, 13.1491



21.9147, 33.2047, 76.3151



43.5263, 33.2047, 76.9275

Rectangle

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



43.6871, 33.2047, 13.3391



30.3395, 33.2047, 7.7702



21.9147, 33.2047, 76.3151



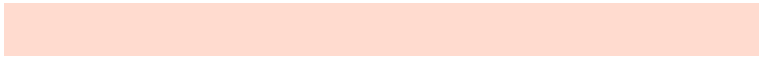
32.8130, 33.2047, 99.4208

Sweetspot

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



43.6879, 33.2065, 13.3397



77.6917, 76.2313, 69.3628



48.3904, 28.9359, 57.0674



16.1434, 15.6425, 13.7671



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.



43.6879, 33.2065, 13.3397



47.9053, 33.1212, 8.6814



56.7767, 59.3841, 17.7026



15.3715, 15.6659, 15.7324



20.0165, 11.7273, 1.2086



1.6462, 1.0698, 0.1197

Inverse Universe

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



39.5867, 48.9745, 86.7229



42.5043, 53.0140, 102.6003



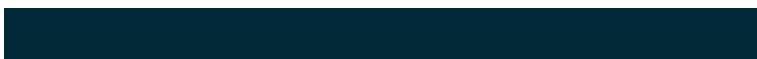
26.4986, 22.7983, 82.3602



15.1802, 16.4469, 19.2967



17.1187, 20.8845, 46.8718



1.4195, 1.7905, 3.7057

Previews

White Background



This preview shows how the XYZ color 43.6871, 33.2047, 13.3391 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 43.6871, 33.2047, 13.3391 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 43.6871, 33.2047, 13.3391

Background



This preview shows how black text looks on a background with the XYZ color 43.6871, 33.2047, 13.3391.



This preview shows how white text looks on a background with the XYZ color 43.6871, 33.2047,

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

43.6871, 33.2047, 13.3391

Protanopia

30.7663, 33.2431, 16.8516

Deuteranopia

34.0470, 33.3259, 12.8217



Tritanopia

45.8726, 33.1686, 24.4065

Trichromacy



Original Color

43.6871, 33.2047, 13.3391

Protanomaly

34.4849, 32.5647, 15.5344

Deuteranomaly

37.0302, 32.8219, 12.9779

Tritanomaly

44.8652, 33.1158, 19.6501

Monochromacy



Original Color

43.6871, 33.2047, 13.3391

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.6189, 31.4470, 25.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6871, 33.2047, 13.3391 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(236, 125, 88)` looks like.

```
.text, #text, p{  
    color:rgb(236, 125, 88)  
}
```

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(236, 125, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 125, 88) }
```

Border

The CSS property to change the border of an element to XYZ 43.6871, 33.2047, 13.3391 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(236, 125, 88) }
```


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

```
.border{ border-color:rgb(236, 125, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 125, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 125, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 125, 88);  
box-shadow:4px 4px 4px 4px rgb(236, 125,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6871, 33.2047, 13.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 125, 88) }
```

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

```
.background{ background-color: rgb(236,  
125, 88) }
```

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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