

Converting Colors

XYZ(67.7017, 42.4061, 13.6013)

Have a look what the booklet for
XYZ(67.7017, 42.4061, 13.6013)
contains.

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Color

**XYZ(48.1143, 32.2562,
12.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6A57
RGB	255, 106, 87
RGB Percent	100%, 42%, 34%
CMY	0.0000, 0.5843, 0.6588
CMYK	0.00, 0.58, 0.66, 0.00
HSL	7°, 100%, 67%
HSV	7°, 66%, 100%
XYZ	48.1143, 32.2562, 12.7070
YIQ	148.3850, 94.9030, 25.6790

Conversions

Conversions Part 2

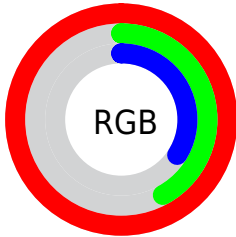
Format	Color
R_{YB}	255, 108, 87
Decimal	16738903
CIE _{Lab}	63.55, 55.58, 39.43
CIE _{LCh}	64, 68.145, 35.349
Yxy	32.2562, 0.5169, 0.3466
Android (android.graphics.Color)	4294928983 (0xFFFF6A57)
YUV	148.3850, -30.2628, 93.5014
Hunter-Lab	56.7945, 51.8284, 26.4909

Details

The XYZ color **48.1143, 32.2562, 12.7070** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **51.9733, 69.2319, 105.2308**, and the grayscale version is **28.4052, 29.8845, 32.5442**.

A 20% lighter version of the original color is **58.6757, 48.9068, 30.0143**, and **23.2368, 13.5632, 3.4911** is the 20% darker color. If you saturate the color by 10%, you get **45.2191, 27.8493, 7.4781**, and if you desaturate by 10%, it is **51.9931, 38.0426, 20.0785**.

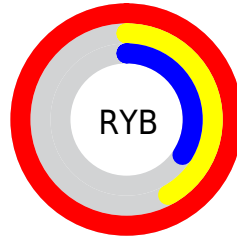
Distribution



Red (100%)

Green (42%)

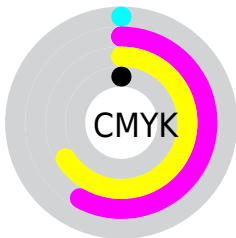
Blue (34%)



Red (100%)

Yellow (42%)

Blue (34%)

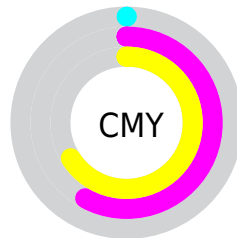


Cyan (0%)

Magenta (58%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1143, 32.2562, 12.7070 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 48.1143, 32.2562, 12.7070 by changing the saturation by 10% instead.


 48.1143, 32.2562,
12.7070


 48.1143, 32.2562,
12.7070


369.8201,
312.2847, 220.1727


 34.1290, 21.5573,
7.0988


 86.5832, 63.2125,
31.4598


 23.1561, 13.5319,
3.4446


 111.7976, 84.2387,
45.4415


 14.8301, 7.7959,
1.3259


 141.4857,
109.4760, 63.0513

 8.7858, 3.9646,
0.0828

 176.0130,
139.3090, 84.7079

 4.6577, 1.6538,
0.0000

 215.7447,
174.1220, 110.8298

 2.0805, 0.3935,
0.0000

261.0462,

 0.6786, 0.0000,

214.2993, 141.8356

0.0000

312.2828,
260.2254, 178.1437

■ 0.0000, 0.0000,
0.0000

■ 48.1143, 32.2562,
12.7070

■ 48.1143, 32.2562,
12.7070

■ 45.2191, 27.8493,
7.4781

■ 51.9931, 38.0426,
20.0785

■ 43.2152, 24.7013,
4.1593

■ 56.9323, 45.3050,
29.7892


■ 41.9957, 22.6797,
2.4659

■ 63.0033, 54.1377,
42.0151

■ 41.6754, 22.1313,
2.0752

■ 70.2708, 64.6254,
56.9148

■ 78.7945, 76.8468,
74.6341

 88.6302, 90.8756,
95.3080

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.



52.6956, 32.2562, 30.4644



48.1143, 32.2562, 12.7070



38.9317, 32.2562, 5.7943

Triad

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



48.1143, 32.2562, 12.7070



16.8660, 32.2562, 17.4995



32.3941, 32.2562, 117.2737

Complementary

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



48.1143, 32.2562, 12.7070



51.9733, 69.2319, 105.2308

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.



23.6492, 32.2562, 107.4147



48.1143, 32.2562, 12.7070



15.8232, 32.2562, 40.2306

Square

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



48.1143, 32.2562, 12.7070



21.2529, 32.2562, 7.3895



18.0360, 32.2562, 74.9465



42.4959, 32.2562, 97.4580

Rectangle

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



48.1143, 32.2562, 12.7070



32.1648, 32.2562, 4.5182



18.0360, 32.2562, 74.9465



29.2001, 32.2562, 117.3977

Sweetspot

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



48.1151, 32.2580, 12.7075



75.1290, 71.5996, 66.9871



60.1099, 34.2612, 84.4875



15.5721, 14.5957, 13.2813



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.



48.1151, 32.2580, 12.7075



44.5035, 26.7384, 6.2503



60.9006, 57.8290, 16.9694



18.1748, 18.3178, 18.7221



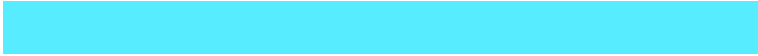
21.8289, 11.6689, 1.1018



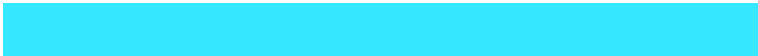
2.1764, 1.2382, 0.1243

Inverse Universe

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



51.9733, 69.2319, 105.2308



48.4621, 65.8215, 104.7583



33.5691, 32.4236, 99.0961



18.3690, 20.1097, 23.1634



23.7334, 32.3763, 54.4330



2.3587, 3.2480, 5.3159

Previews

White Background



This preview shows how the XYZ color 48.1143, 32.2562, 12.7070 looks on a white background.

Color Contrast Check

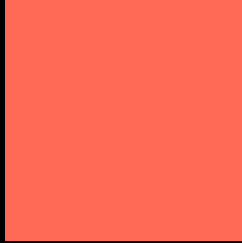
Large Text (above 18pt) WCAG AA × Fail

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 48.1143, 32.2562, 12.7070 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 48.1143, 32.2562, 12.7070

Background



This preview shows how black text looks on a background with the XYZ color 48.1143, 32.2562, 12.7070.



This preview shows how white text looks on a background with the XYZ color 48.1143, 32.2562,

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

48.1143, 32.2562, 12.7070

Protanopia

30.0418, 32.3466, 18.0248

Deuteranopia

32.8313, 32.2508, 11.8918



Tritanopia

49.0048, 32.2864, 18.4009

Trichromacy



Original Color

48.1143, 32.2562, 12.7070

Protanomaly

34.7035, 30.9153, 15.6934

Deuteranomaly

37.2148, 31.2579, 12.0546

Tritanomaly

48.6898, 32.3225, 16.2430

Monochromacy



Original Color

48.1143, 32.2562, 12.7070

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.6469, 28.8462, 23.5859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1143, 32.2562, 12.7070 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, 106, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 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, 106, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 87) }
```

Border

The CSS property to change the border of an element to XYZ 48.1143, 32.2562, 12.7070 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, 106, 87) }
```


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

```
.border{ border-color:rgb(255, 106, 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, 106, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1143, 32.2562, 12.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 87) }
```

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

```
.background{ background-color: rgb(255,  
106, 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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