

Converting Colors

XYZ(50.0000, 34.7848, 17.1670)

Have a look what the booklet for
XYZ(50.0000, 34.7848, 17.1670)
contains.

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Color

**XYZ(49.9841, 34.7503,
17.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7468
RGB	255, 116, 104
RGB Percent	100%, 45%, 41%
CMY	0.0000, 0.5451, 0.5922
CMYK	0.00, 0.55, 0.59, 0.00
HSL	5°, 100%, 70%
HSV	5°, 59%, 100%
XYZ	49.9841, 34.7503, 17.1697
YIQ	156.1930, 86.6960, 25.7360

Conversions

Conversions Part 2

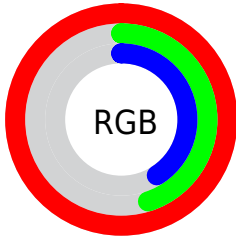
Format	Color
R_{YB}	255, 117, 104
Decimal	16741480
CIE Lab	65.55, 52.06, 32.56
CIE LCh	66, 61.402, 32.022
Yxy	34.7503, 0.4905, 0.3410
Android (android.graphics.Color)	4294931560 (0xFFFF7468)
YUV	156.1930, -25.7311, 86.6537
Hunter-Lab	58.9494, 48.1915, 23.9957

Details

The XYZ color **49.9841, 34.7503, 17.1697** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.8070, 74.2593, 105.9994**, and the grayscale version is **31.7716, 33.4262, 36.4011**.

A 20% lighter version of the original color is **61.7193, 52.7524, 37.9396**, and **24.3996, 14.9704, 5.4745** is the 20% darker color. If you saturate the color by 10%, you get **46.5068, 29.5648, 10.5577**, and if you desaturate by 10%, it is **54.5380, 41.4630, 26.0726**.

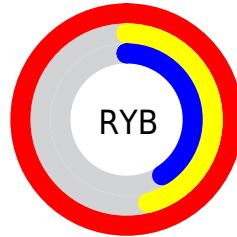
Distribution



Red (100%)

Green (45%)

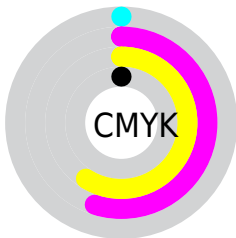
Blue (41%)



Red (100%)

Yellow (46%)

Blue (41%)

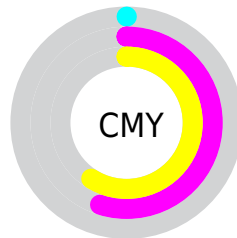


Cyan (0%)

Magenta (55%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9841, 34.7503, 17.1697 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 49.9841, 34.7503, 17.1697 by changing the saturation by 10% instead.


 49.9841, 34.7503,
17.1697


 49.9841, 34.7503,
17.1697

377.0568,
323.4648, 248.2254

 35.6185, 23.4706,
10.1923


 89.3433, 67.0988,
39.4120


 24.3085, 14.9414,
5.4194


 115.0676, 88.9363,
55.5139

 15.6886, 8.7783,
2.4324


 145.3088,
115.0619, 75.4945

 9.3935, 4.5968,
0.8040

 180.4324,
145.8600, 99.7722

 5.0579, 2.0127,
0.0000

220.8036,
181.7149, 128.7656

 2.3164, 0.6148,
0.0000

266.7878,

 0.8030, 0.0000,

223.0111, 162.8933

0.0000

318.7504,
270.1329, 202.5737

■ 0.0000, 0.0000,
0.0000

■ 49.9841, 34.7503,
17.1697

■ 49.9841, 34.7503,
17.1697

■ 46.5068, 29.5648,
10.5577

■ 54.5380, 41.4630,
26.0726

■ 44.0145, 25.7811,
6.0247

■ 60.2451, 49.8042,
37.4486

■ 42.4046, 23.2637,
3.3229

■ 67.1777, 59.8728,
51.4639

■ 41.5400, 21.8427,
2.0841

■ 75.4017, 71.7586,
68.2697

■ 41.4949, 21.7701,
2.0150

■ 84.9780, 85.5449,
88.0056

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



53.5215, 34.7503, 36.1149



49.9841, 34.7503, 17.1697



41.8324, 34.7503, 8.7734

Triad

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



49.9841, 34.7503, 17.1697



19.9806, 34.7503, 19.0216



33.6436, 34.7503, 112.1391

Complementary

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



49.9841, 34.7503, 17.1697



55.8070, 74.2593, 105.9994

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.



25.5566, 34.7503, 100.6652



49.9841, 34.7503, 17.1697



18.5757, 34.7503, 39.6134

Square

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



49.9841, 34.7503, 17.1697



24.6754, 34.7503, 9.4502



20.4206, 34.7503, 70.6767



43.0829, 34.7503, 97.3440

Rectangle

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



49.9841, 34.7503, 17.1697



35.4900, 34.7503, 6.9169



20.4206, 34.7503, 70.6767



30.6847, 34.7503, 111.2156

Sweetspot

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



49.9849, 34.7522, 17.1703



76.4924, 73.3313, 70.5093



62.6614, 37.7492, 90.3162



15.8208, 14.9001, 13.9596



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.



49.9849, 34.7522, 17.1703



45.9927, 28.7904, 9.6028



62.0583, 58.8989, 21.1948



18.1254, 18.2190, 18.7056



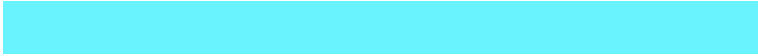
21.7226, 11.4564, 1.0664



2.1532, 1.1917, 0.1165

Inverse Universe

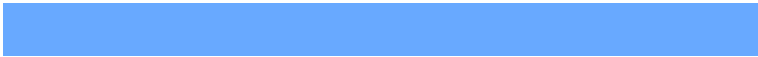
The Inverse Universe completely reimagines the original color for something new.



55.8070, 74.2593, 105.9994



52.2079, 71.3493, 105.6279



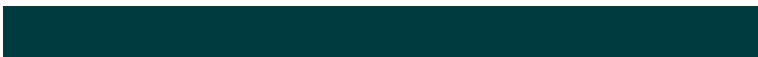
38.0277, 38.7006, 100.0730



18.4240, 20.2196, 23.1817



24.9649, 34.8395, 54.8435



2.4659, 3.4625, 5.3516

Previews

White Background



This preview shows how the XYZ color 49.9841, 34.7503, 17.1697 looks on a white background.

Color Contrast Check

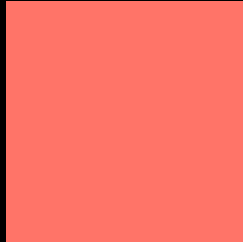
Large Text (above 18pt) WCAG AA × Fail

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 49.9841, 34.7503, 17.1697 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 49.9841, 34.7503, 17.1697

Background



This preview shows how black text looks on a background with the XYZ color 49.9841, 34.7503, 17.1697.



This preview shows how white text looks on a background with the XYZ color 49.9841, 34.7503,

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

49.9841, 34.7503, 17.1697

Protanopia

32.4886, 34.7475, 23.4070

Deuteranopia

35.4252, 34.6758, 16.3813



Tritanopia

50.7702, 34.6998, 22.4342

Trichromacy



Original Color

49.9841, 34.7503, 17.1697

Protanomaly

37.0044, 33.3002, 20.6969

Deuteranomaly

39.8518, 33.9843, 16.5158

Tritanomaly

50.4652, 34.7593, 20.2691

Monochromacy



Original Color

49.9841, 34.7503, 17.1697

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.7785, 32.0624, 27.9698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9841, 34.7503, 17.1697 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, 116, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 104)  
}
```

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, 116, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 104) }
```

Border

The CSS property to change the border of an element to XYZ 49.9841, 34.7503, 17.1697 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, 116, 104) }
```


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

```
.border{ border-color:rgb(255, 116, 104) }
```

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

Here you see how a box with a 4 pixel rgb(255, 116, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9841, 34.7503, 17.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 104) }
```

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

```
.background{ background-color: rgb(255,  
116, 104) }
```

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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