

Converting Colors

XYZ(45.7903, 31.9631, 7.5103)

Have a look what the booklet for
XYZ(45.7903, 31.9631, 7.5103)
contains.

XYZ(45.8226, 31.9784, 7.4987)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.8226, 31.9784,
7.4987)**

Conversions

Conversions Part 1

Format	Color
Hex	FA6F38
RGB	250, 111, 56
RGB Percent	98%, 44%, 22%
CMY	0.0196, 0.5647, 0.7804
CMYK	0.00, 0.56, 0.78, 0.02
HSL	17°, 95%, 60%
HSV	17°, 78%, 98%
XYZ	45.8226, 31.9784, 7.4987
YIQ	146.2910, 100.4990, 12.3630

Conversions

Conversions Part 2

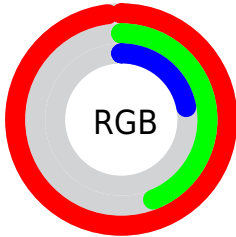
Format	Color
R_{YB}	250, 133, 56
Decimal	16412472
CIE _{Lab}	63.33, 50.14, 54.79
CIE _{LCh}	63, 74.268, 47.536
Yxy	31.9784, 0.5372, 0.3749
Android (android.graphics.Color)	4294602552 (0xFFFA6F38)
YUV	146.2910, -44.5135, 90.9528
Hunter-Lab	56.5494, 45.6789, 31.7225

Details

The XYZ color **45.8226, 31.9784, 7.4987** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.3995, 46.7696, 97.4454**, and the grayscale version is **27.5905, 29.0273, 31.6107**.

A 20% lighter version of the original color is **57.4777, 49.5730, 20.1748**, and **21.7183, 13.3675, 1.4642** is the 20% darker color. If you saturate the color by 10%, you get **43.5943, 28.2686, 4.4552**, and if you desaturate by 10%, it is **48.7491, 36.5974, 12.2795**.

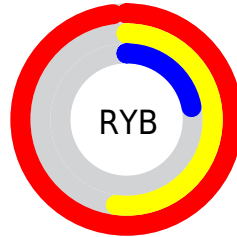
Distribution



Red (98%)

Green (44%)

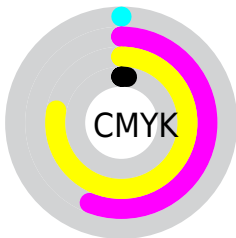
Blue (22%)



Red (98%)

Yellow (52%)

Blue (22%)

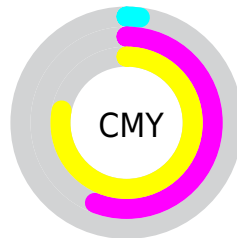


Cyan (0%)

Magenta (56%)

Yellow (78%)

Black (2%)



Cyan (2%)


Magenta (56%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8226, 31.9784, 7.4987 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 45.8226, 31.9784, 7.4987 by changing the saturation by 10% instead.


 45.8226, 31.9784,
7.4987


 45.8226, 31.9784,
7.4987


360.8229,
311.0208, 181.5307

 32.3099, 21.3450,
3.6928


 83.1829, 62.7772,
21.4994


 21.7550, 13.3764,
1.4583


 107.7613, 83.7114,
32.5312

 13.7926, 7.6883,
0.1866


 136.7588,
108.8481, 46.8087

 8.0573, 3.8961,
0.0000

 170.5410,
138.5715, 64.7504

 4.1837, 1.6156,
0.0000

 209.4732,
173.2660, 86.7750

 1.8066, 0.3681,
0.0000

 253.9206,

 0.5216, 0.0000,

213.3162, 113.3008

0.0000

304.2487,
259.1063, 144.7466

■ 0.0000, 0.0000,
0.0000

■ 45.8226, 31.9784,
7.4987

■ 45.8226, 31.9784,
7.4987

■ 43.5943, 28.2686,
4.4552

■ 48.7491, 36.5974,
12.2795

■ 41.9857, 25.3944,
2.8611

■ 52.4332, 42.1795,
19.0140

■ 41.6701, 24.8159,
2.5937

■ 56.9297, 48.7801,
27.8882

■ 62.2871, 56.4486,
39.0659

■ 68.5501, 65.2310,
52.6946

75.7600, 75.1705,
68.9097

83.9553, 86.3080,
87.8363

93.0109, 98.6176,
108.7406

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



53.4615, 31.9784, 20.3718



45.8226, 31.9784, 7.4987



34.8725, 31.9784, 3.6098

Triad

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



45.8226, 31.9784, 7.4987



14.8670, 31.9784, 23.9558



36.7613, 31.9784, 121.7445

Complementary

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



45.8226, 31.9784, 7.4987



38.3995, 46.7696, 97.4454

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.



26.3172, 31.9784, 124.7623



45.8226, 31.9784, 7.4987



15.1505, 31.9784, 54.8591

Square

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



45.8226, 31.9784, 7.4987



17.9997, 31.9784, 8.8478



18.8881, 31.9784, 95.6646



47.4717, 31.9784, 88.8685

Rectangle

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



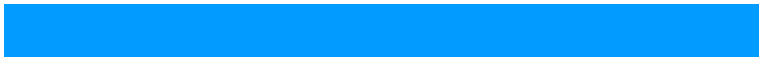
45.8226, 31.9784, 7.4987



27.8702, 31.9784, 3.4261



18.8881, 31.9784, 95.6646



33.0669, 31.9784, 126.7557

Sweetspot

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



45.8233, 31.9802, 7.4992



75.0329, 72.8399, 62.5385



50.6924, 27.0940, 54.2074



15.4939, 14.8073, 12.1209



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.



45.8233, 31.9802, 7.4992



44.6038, 27.8148, 3.5838



62.6856, 65.7048, 13.1200



17.6453, 18.0265, 18.0119



22.2082, 13.3730, 1.4107



2.1428, 1.4104, 0.1593

Inverse Universe

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



38.3995, 46.7696, 97.4454



36.2281, 43.2100, 101.0387



23.2571, 16.4847, 92.3979



17.3256, 18.7280, 22.0870



17.8440, 21.0435, 51.0949



1.7427, 2.1291, 4.7623

Previews

White Background



This preview shows how the XYZ color 45.8226, 31.9784, 7.4987 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 45.8226, 31.9784, 7.4987 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 45.8226, 31.9784, 7.4987

Background



This preview shows how black text looks on a background with the XYZ color 45.8226, 31.9784, 7.4987.



This preview shows how white text looks on a background with the XYZ color 45.8226, 31.9784,

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

45.8226, 31.9784, 7.4987

Protanopia

29.3936, 32.1865, 10.1322

Deuteranopia

32.7643, 32.0925, 7.0524



Tritanopia

48.1211, 31.9684, 18.9635

Trichromacy



Original Color

45.8226, 31.9784, 7.4987

Protanomaly

33.8333, 30.8265, 9.0174

Deuteranomaly

36.6948, 31.3015, 7.1254

Tritanomaly

46.9731, 31.7973, 13.7870

Monochromacy



Original Color

45.8226, 31.9784, 7.4987

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.1353, 28.1577, 19.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8226, 31.9784, 7.4987 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(250, 111, 56)` looks like.

```
.text, #text, p{  
    color:rgb(250, 111, 56)  
}
```

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(250, 111, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 111, 56) }
```

Border

The CSS property to change the border of an element to XYZ 45.8226, 31.9784, 7.4987 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(250, 111, 56) }
```


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

```
.border{ border-color:rgb(250, 111, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 111, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 111, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 111, 56);  
box-shadow:4px 4px 4px 4px rgb(250, 111,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8226, 31.9784, 7.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 111, 56) }
```

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

```
.background{ background-color: rgb(250,  
111, 56) }
```

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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