

Converting Colors

XYZ(54.9985, 47.2262, 20.1267)

Have a look what the booklet for
XYZ(54.9985, 47.2262, 20.1267)
contains.

XYZ(54.9985, 47.2262, 20.1267)	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(54.9985, 47.2262,
20.1267)**

Conversions

Conversions Part 1

Format	Color
Hex	FAA26B
RGB	250, 162, 107
RGB Percent	98%, 64%, 42%
CMY	0.0196, 0.3647, 0.5804
CMYK	0.00, 0.35, 0.57, 0.02
HSL	23°, 93%, 70%
HSV	23°, 57%, 98%
XYZ	54.9985, 47.2262, 20.1267
YIQ	182.0420, 70.1030, 1.5510

Conversions

Conversions Part 2

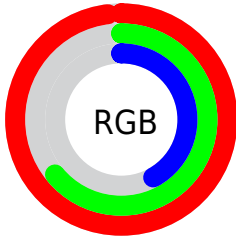
Format	Color
R _Y B	250, 196, 107
Decimal	16425579
CIE Lab	74.33, 27.28, 41.82
CIE LCh	74, 49.931, 56.882
Yxy	47.2262, 0.4495, 0.3860
Android (android.graphics.Color)	4294615659 (0xFFFAA26B)
YUV	182.0420, -36.9957, 59.5992
Hunter-Lab	68.7213, 22.5934, 30.7404

Details

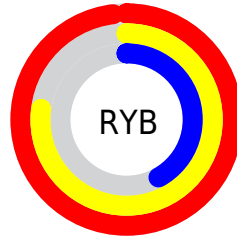
The XYZ color **54.9985, 47.2262, 20.1267** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.8326, 49.0555, 97.6532**, and the grayscale version is **44.6559, 46.9815, 51.1628**.

A 20% lighter version of the original color is **72.3109, 73.3889, 43.1552**, and **27.5749, 22.4045, 6.8741** is the 20% darker color. If you saturate the color by 10%, you get **51.3225, 41.6836, 13.3237**, and if you desaturate by 10%, it is **59.3885, 53.5886, 29.0439**.

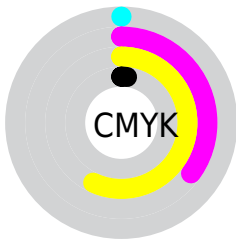
Distribution



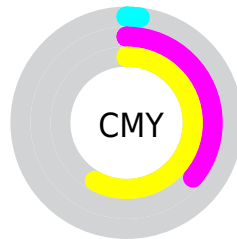
- Red (98%)
- Green (64%)
- Blue (42%)



- Red (98%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (2%)





- Cyan (2%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9985, 47.2262, 20.1267 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 54.9985, 47.2262, 20.1267 by changing the saturation by 10% instead.


 54.9985, 47.2262,
20.1267

 54.9985, 47.2262,
20.1267


396.0427,
375.7167, 265.2271

 39.6344, 33.2145,
12.3022

 96.6871, 86.0512,
44.4913


 27.4365, 22.2908,
6.8248


 123.7423,
111.6332, 61.8684

 18.0396, 14.0708,
3.2760


 155.4251,
141.8409, 83.2668

 11.0783, 8.1699,
1.2372

 192.1011,
177.0585, 109.1050

 6.1872, 4.2038,
0.0095

234.1355,
217.6705, 139.8017

 3.0010, 1.7882,
0.0000

281.8936,

 1.1543, 0.4798,

264.0613, 175.7752

0.0000

335.7409,
316.6152, 217.4441

■ 0.0698, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9985, 47.2262,
20.1267

■ 54.9985, 47.2262,
20.1267

■ 51.3225, 41.6836,
13.3237

■ 59.3885, 53.5886,
29.0439

■ 48.3113, 36.9165,
8.4504


■ 64.5301, 60.7983,
40.2331


■ 45.9137, 32.8859,
5.2943


■ 70.4621, 68.8899,
53.8401

■ 44.0652, 29.5446,
3.5812

■ 77.2192, 77.8938,
69.9975

 43.6220, 28.7197,
3.2443

 84.8342, 87.8389,
88.8283

 93.0138, 98.6231,
108.7416

 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.



62.1184, 47.2262, 32.1448



54.9985, 47.2262, 20.1267



45.8330, 47.2262, 16.1603

Triad

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



54.9985, 47.2262, 20.1267



29.7579, 47.2262, 48.7777



53.1564, 47.2262, 109.3484

Complementary

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



54.9985, 47.2262, 20.1267



42.8326, 49.0555, 97.6532

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.



43.9543, 47.2262, 118.2981



54.9985, 47.2262, 20.1267



31.1792, 47.2262, 77.1805

Square

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



54.9985, 47.2262, 20.1267



31.9218, 47.2262, 28.8570



36.0978, 47.2262, 104.9596



60.9591, 47.2262, 83.4516

Rectangle

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



54.9985, 47.2262, 20.1267



40.0568, 47.2262, 17.1304



36.0978, 47.2262, 104.9596



50.0908, 47.2262, 114.7478

Sweetspot

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



54.9996, 47.2286, 20.1276



80.9124, 81.6616, 73.5538



54.5531, 34.7881, 55.5782



16.9984, 17.0560, 14.9666



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.



54.9996, 47.2286, 20.1276



53.0450, 42.6090, 12.8353



71.3066, 79.8426, 25.5633



17.7920, 18.3198, 18.0607



23.2673, 15.4912, 1.7638



2.2541, 1.6330, 0.1964

Inverse Universe

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



42.8326, 49.0555, 97.6532



39.1167, 44.5607, 101.1471



30.4870, 24.3644, 93.5380



17.1724, 18.4216, 22.0359



15.4114, 16.1784, 50.2840



1.5300, 1.7036, 4.6914

Previews

White Background



This preview shows how the XYZ color 54.9985, 47.2262, 20.1267 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 54.9985, 47.2262, 20.1267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

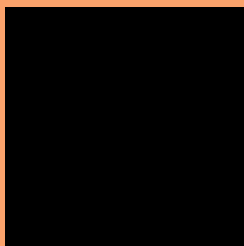
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.9985, 47.2262, 20.1267

Background



This preview shows how black text looks on a background with the XYZ color 54.9985, 47.2262, 20.1267.



This preview shows how white text looks on a background with the XYZ color 54.9985, 47.2262, 20.1267.

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

54.9985, 47.2262, 20.1267

Protanopia

43.8474, 47.3841, 23.0547

Deuteranopia

48.2601, 47.3474, 19.6921



Tritanopia

59.4773, 47.2667, 42.0650

Trichromacy



Original Color

54.9985, 47.2262, 20.1267

Protanomaly

47.1680, 46.7352, 21.8640

Deuteranomaly

50.5288, 47.0930, 19.7913

Tritanomaly

57.8457, 47.3807, 32.8847

Monochromacy



Original Color

54.9985, 47.2262, 20.1267

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.9785, 46.2919, 37.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9985, 47.2262, 20.1267 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, 162, 107)` looks like.

```
.text, #text, p{  
    color:rgb(250, 162, 107)  
}
```

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, 162, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 162, 107) }
```

Border

The CSS property to change the border of an element to XYZ 54.9985, 47.2262, 20.1267 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, 162, 107) }
```


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

```
.border{ border-color:rgb(250, 162, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 162, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(250, 162, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(250, 162, 107); box-shadow:4px 4px 4px 4px rgb(250, 162, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9985, 47.2262, 20.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 162, 107) }
```

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

```
.background{ background-color: rgb(250,  
162, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor