

Converting Colors

XYZ(53.0516, 46.8768, 22.7703)

Have a look what the booklet for
XYZ(53.0516, 46.8768, 22.7703)
contains.

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Color

**XYZ(53.2255, 47.0485,
22.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	F2A574
RGB	242, 165, 116
RGB Percent	95%, 65%, 45%
CMY	0.0510, 0.3529, 0.5451
CMYK	0.00, 0.32, 0.52, 0.05
HSL	23°, 83%, 70%
HSV	23°, 52%, 95%
XYZ	53.2255, 47.0485, 22.7990
YIQ	182.4370, 61.6210, 1.0850

Conversions

Conversions Part 2

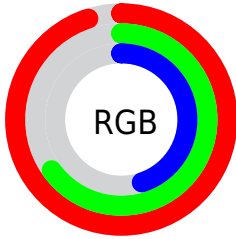
Format	Color
R _Y B	242, 196, 116
Decimal	15902068
CIE Lab	74.22, 23.24, 36.79
CIE LCh	74, 43.517, 57.715
Yxy	47.0485, 0.4325, 0.3823
Android (android.graphics.Color)	4294092148 (0xFFFF2A574)
YUV	182.4370, -32.7534, 52.2368
Hunter-Lab	68.5919, 18.4754, 28.3072

Details

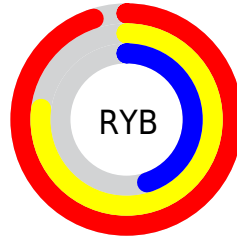
The XYZ color **53.2255, 47.0485, 22.7990** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.2985, 48.2615, 91.0902**, and the grayscale version is **44.8525, 47.1883, 51.3881**.

A 20% lighter version of the original color is **73.9946, 75.3110, 48.1727**, and **26.4467, 22.2828, 8.2173** is the 20% darker color. If you saturate the color by 10%, you get **49.4822, 41.5290, 15.4878**, and if you desaturate by 10%, it is **57.6461, 53.3361, 32.1456**.

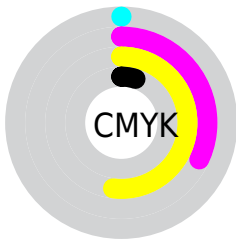
Distribution



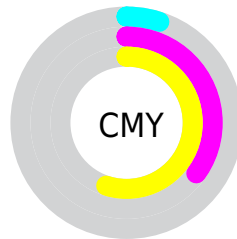
- Red (95%)
- Green (65%)
- Blue (45%)



- Red (95%)
- Yellow (77%)
- Blue (45%)



- Cyan (0%)
- Magenta (32%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2255, 47.0485, 22.7990 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 53.2255, 47.0485, 22.7990 by changing the saturation by 10% instead.


 53.2255, 47.0485,
22.7990


 53.2255, 47.0485,
22.7990


389.3964,
375.0081, 279.7793


 38.2110, 33.0740,
14.2413

 94.0997, 85.7860,
48.9821

 26.3245, 22.1831,
8.1480


 120.6901,
111.3178, 67.4445

 17.2005, 13.9915,
4.1007

 151.8699,
141.4708, 90.0455

 10.4737, 8.1148,
1.6807

188.0043,
176.6295, 117.2038

 5.7788, 4.1685,
0.3475

229.4589,
217.1781, 149.3377

 2.7504, 1.7682,
0.0000

276.5988,

 1.0232, 0.4673,

263.5012, 186.8659

0.0000

329.7895,
315.9830, 230.2070

■ 0.0000, 0.0000,
0.0000

■ 53.2255, 47.0485,
22.7990

■ 53.2255, 47.0485,
22.7990

■ 49.4822, 41.5290,
15.4878

■ 57.6461, 53.3361,
32.1456

■ 46.3733, 36.7382,
10.0524

■ 62.7766, 60.4153,
43.6651

■ 43.8554, 32.6428,
6.3136

■ 68.6513, 68.3167,
57.4859

■ 41.8763, 29.2032,
4.0548

■ 75.3010, 77.0673,
73.7256

■ 40.6314, 26.9043,
3.0515

■ 82.7547, 86.6928,
92.4937

90.0251, 96.8116,
108.5494

90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



59.3682, 47.0485, 33.7208



53.2255, 47.0485, 22.7990



45.3193, 47.0485, 19.1576

Triad

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



53.2255, 47.0485, 22.7990



31.3325, 47.0485, 49.5330



52.0698, 47.0485, 99.4940

Complementary

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



53.2255, 47.0485, 22.7990



42.2985, 48.2615, 91.0902

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.



44.1224, 47.0485, 107.3160



53.2255, 47.0485, 22.7990



32.7013, 47.0485, 73.9382

Square

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



53.2255, 47.0485, 22.7990



33.1894, 47.0485, 31.5240



37.1694, 47.0485, 96.8498



58.6483, 47.0485, 77.7946

Rectangle

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



53.2255, 47.0485, 22.7990



40.3039, 47.0485, 20.2171



37.1694, 47.0485, 96.8498



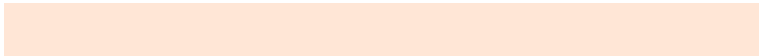
49.4436, 47.0485, 104.0673

Sweetspot

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



53.2266, 47.0508, 22.7999



81.7190, 82.7570, 75.4190



52.5674, 35.2500, 54.8960



17.1604, 17.2781, 15.3350



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.



53.2266, 47.0508, 22.7999



55.6866, 46.7083, 17.3654



67.3215, 75.2405, 27.4982



16.2770, 16.7670, 16.5282



21.9508, 14.6996, 1.6804



1.9199, 1.4106, 0.1711

Inverse Universe

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



42.2985, 48.2615, 91.0902



42.1519, 48.1215, 101.6745



31.3059, 26.2764, 87.4260



15.7013, 16.8366, 20.1439



14.4252, 15.0746, 47.2773



1.2963, 1.4467, 3.9651

Previews

White Background



This preview shows how the XYZ color 53.2255, 47.0485, 22.7990 looks on a white background.

Color Contrast Check

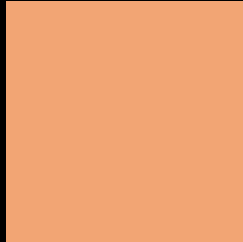
Large Text (above 18pt) WCAG AA × Fail

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 53.2255, 47.0485, 22.7990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

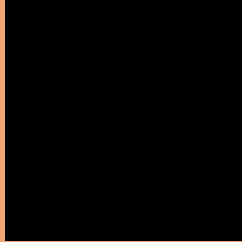
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2255, 47.0485, 22.7990

Background



This preview shows how black text looks on a background with the XYZ color 53.2255, 47.0485, 22.7990.



This preview shows how white text looks on a background with the XYZ color 53.2255, 47.0485,

22.7990.

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

53.2255, 47.0485, 22.7990

Protanopia

43.7973, 47.3028, 25.5609

Deuteranopia

48.1860, 47.2470, 22.4995



Tritanopia

57.4886, 46.9488, 44.0623

Trichromacy



Original Color

53.2255, 47.0485, 22.7990

Protanomaly

46.6471, 46.7029, 24.3253

Deuteranomaly

49.9705, 47.0216, 22.6620

Tritanomaly

55.9061, 47.1042, 34.9996

Monochromacy



Original Color

53.2255, 47.0485, 22.7990

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.5987, 46.3567, 38.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2255, 47.0485, 22.7990 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(242, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 116)  
}
```

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(242, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 116) }
```

Border

The CSS property to change the border of an element to XYZ 53.2255, 47.0485, 22.7990 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(242, 165, 116) }
```


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

```
.border{ border-color:rgb(242, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2255, 47.0485, 22.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 116) }
```

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

```
.background{ background-color: rgb(242,  
165, 116) }
```

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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