

Converting Colors

XYZ(56.7256, 40.7494, 8.2081)

Have a look what the booklet for
XYZ(56.7256, 40.7494, 8.2081)
contains.

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Color

**XYZ(49.7329, 37.2176,
7.9307)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FF8135 |
| RGB | 255, 129, 53 |
| RGB Percent | 100%, 51%, 21% |
| CMY | 0.0000, 0.4941, 0.7921 |
| CMYK | 0.00, 0.49, 0.79, 0.00 |
| HSL | 23°, 100%, 60% |
| HSV | 23°, 79%, 100% |
| XYZ | 49.7329, 37.2176, 7.9307 |
| YIQ | 158.0100, 99.4920, 3.0760 |

Conversions

Conversions Part 2

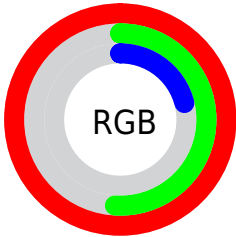
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 175, 53 |
| Decimal | 16744757 |
| CIE Lab | 67.44, 43.25, 60.34 |
| CIE LCh | 67, 74.239, 54.366 |
| Yxy | 37.2176, 0.5242, 0.3923 |
| Android (android.graphics.Color) | 4294934837 (0xFFFF8135) |
| YUV | 158.0100, -51.7699, 85.0602 |
| Hunter-Lab | 61.0062, 38.7541, 34.9968 |

Details

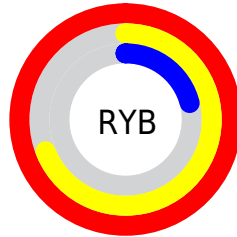
The XYZ color **49.7329, 37.2176, 7.9307** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **35.6370, 40.2145, 100.4910**, and the grayscale version is **32.7011, 34.4041, 37.4661**.

A 20% lighter version of the original color is **60.9303, 56.5609, 21.0706**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **47.3601, 33.1747, 4.9749**, and if you desaturate by 10%, it is **52.7451, 42.0415, 12.6374**.

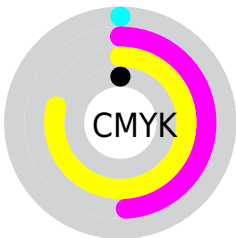
Distribution



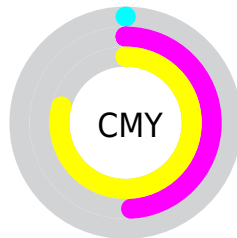
- Red (100%)
- Green (51%)
- Blue (21%)



- Red (100%)
- Yellow (69%)
- Blue (21%)



- Cyan (0%)
- Magenta (49%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7329, 37.2176, 7.9307 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 49.7329, 37.2176, 7.9307 by changing the saturation by 10% instead.


 49.7329, 37.2176,
7.9307


 49.7329, 37.2176,
7.9307

376.0898,
334.2517, 185.1017


 35.4181, 25.3760,
3.9635


 88.9732, 70.9073,
22.3664

 24.1532, 16.3574,
1.6053


 114.6294, 93.5243,
33.6720


 15.5726, 9.7774,
0.2946


 144.7969,
120.5018, 48.2608

 9.3112, 5.2516,
0.0000

 179.8409,
152.2242, 66.5513

 5.0034, 2.3957,
0.0000

 220.1269,
189.0761, 88.9621

 2.2841, 0.8236,
0.0000

 266.0201,

 0.7865, 0.0000,

231.4416, 115.9118

0.0000

317.8859,
279.7054, 147.8188

■ 0.0000, 0.0000,
0.0000

■ 49.7329, 37.2176,
7.9307

■ 49.7329, 37.2176,
7.9307

■ 47.3601, 33.1747,
4.9749

■ 52.7451, 42.0415,
12.6374

■ 45.5437, 29.8503,
3.4188

■ 56.4517, 47.6857,
19.3263

■ 45.4179, 29.6163,
3.3227

■ 60.9032, 54.1933,
28.1949

■ 66.1442, 61.6023,
39.4157

■ 72.2154, 69.9480,
53.1440

79.1542, 79.2635,
69.5215

86.9959, 89.5804,
88.6793

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.



59.3158, 37.2176, 19.7608



49.7329, 37.2176, 7.9307



37.5688, 37.2176, 4.6648

Triad

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



49.7329, 37.2176, 7.9307



17.7460, 37.2176, 34.6710



45.2029, 37.2176, 128.7447

Complementary

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



49.7329, 37.2176, 7.9307



35.6370, 40.2145, 100.4910

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.



33.2668, 37.2176, 140.5065



49.7329, 37.2176, 7.9307



18.9367, 37.2176, 72.3069

Square

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



49.7329, 37.2176, 7.9307



20.3904, 37.2176, 13.8609



24.0851, 37.2176, 115.8869



56.3317, 37.2176, 89.1643

Rectangle

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



49.7329, 37.2176, 7.9307



30.2129, 37.2176, 5.0683



24.0851, 37.2176, 115.8869



41.0922, 37.2176, 136.7414

Sweetspot

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



49.7337, 37.2196, 7.9313



75.7237, 74.6831, 61.3455



50.8466, 27.1398, 46.2391



15.6894, 15.2866, 11.9141



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.



49.7337, 37.2196, 7.9313



46.2515, 31.1693, 3.9509



69.6440, 77.0402, 14.5681



18.5694, 19.1069, 18.8536



23.8637, 15.7386, 1.7801



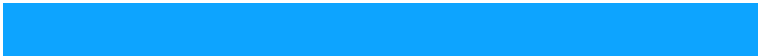
2.4245, 1.7344, 0.2070

Inverse Universe

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



35.6370, 40.2145, 100.4910



31.4606, 33.8003, 99.4737



22.3822, 13.7048, 96.0727



17.9470, 19.2655, 23.0227



16.0627, 17.0349, 51.8761



1.6691, 1.8690, 5.0860

Previews

White Background



This preview shows how the XYZ color 49.7329, 37.2176, 7.9307 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 49.7329, 37.2176, 7.9307 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 49.7329, 37.2176, 7.9307

Background



This preview shows how black text looks on a background with the XYZ color 49.7329, 37.2176, 7.9307.



This preview shows how white text looks on a background with the XYZ color 49.7329, 37.2176,

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

49.7329, 37.2176, 7.9307

Protanopia

34.1195, 37.4595, 10.1347

Deuteranopia

38.0752, 37.2242, 7.5611



Tritanopia

52.5444, 37.3140, 25.9057

Trichromacy



Original Color

49.7329, 37.2176, 7.9307

Protanomaly

38.5960, 36.4739, 9.1436

Deuteranomaly

41.5324, 36.6103, 7.5668

Tritanomaly

51.1490, 37.1610, 17.3089

Monochromacy



Original Color

49.7329, 37.2176, 7.9307

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.8162, 33.5610, 22.3595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7329, 37.2176, 7.9307 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, 129, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 53)  
}
```

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, 129, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 53) }
```

Border

The CSS property to change the border of an element to XYZ 49.7329, 37.2176, 7.9307 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, 129, 53) }
```


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

```
.border{ border-color:rgb(255, 129, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7329, 37.2176, 7.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 53) }
```

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

```
.background{ background-color: rgb(255,  
129, 53) }
```

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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