

# Converting Colors

XYZ(47.2102, 32.0544, 7.4531)

Have a look what the booklet for  
XYZ(47.2102, 32.0544, 7.4531)  
contains.

**XYZ(47.2115, 32.0609, 7.4414) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# Color

**XYZ(47.2115, 32.0609,  
7.4414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6B38
RGB	255, 107, 56
RGB Percent	100%, 42%, 22%
CMY	0.0000, 0.5804, 0.7804
CMYK	0.00, 0.58, 0.78, 0.00
HSL	15°, 100%, 61%
HSV	15°, 78%, 100%
XYZ	47.2115, 32.0609, 7.4414
YIQ	145.4380, 104.5790, 15.5150

# Conversions

## Conversions Part 2

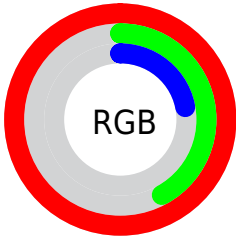
Format	Color
R <sub>Y</sub> B	255, 125, 56
Decimal	16739128
CIE Lab	63.39, 53.77, 55.11
CIE LCh	63, 76.997, 45.709
Yxy	32.0609, 0.5445, 0.3697
Android (android.graphics.Color)	4294929208 (0xFFFF6B38)
YUV	145.4380, -44.0929, 96.0859
Hunter-Lab	56.6223, 49.7435, 31.8437

# Details

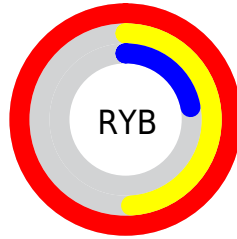
The XYZ color **47.2115, 32.0609, 7.4414** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.2716, 51.2424, 102.3226**, and the grayscale version is **27.2375, 28.6560, 31.2063**.

A 20% lighter version of the original color is **56.7618, 48.1413, 19.9362**, and **22.6752, 13.4462, 1.4290** is the 20% darker color. If you saturate the color by 10%, you get **44.9740, 28.3431, 4.3625**, and if you desaturate by 10%, it is **50.2012, 36.7763, 12.3362**.

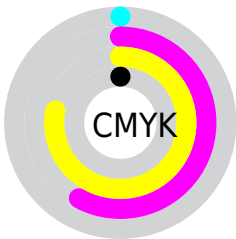
# Distribution



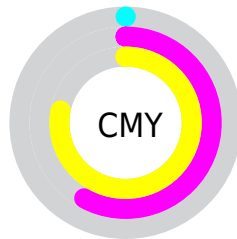
- Red (100%)
- Green (42%)
- Blue (22%)



- Red (100%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (58%)
- Yellow (78%)
- Black (0%)




- Cyan (0%)
- Magenta (58%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2115, 32.0609, 7.4414 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 47.2115, 32.0609, 7.4414 by changing the saturation by 10% instead.





 47.2115, 32.0609,  
7.4414


 47.2115, 32.0609,  
7.4414


366.2929,  
311.3966, 181.0504

 33.4115, 21.4080,  
3.6570


 85.2461, 62.9065,  
21.3836

 22.6026, 13.4226,  
1.4392


 110.2114, 83.8681,  
32.3786


 14.4194, 7.7202,  
0.1720


 139.6292,  
109.0347, 46.6142

 8.4966, 3.9164,  
0.0000

 173.8648,  
138.7907, 64.5090

 4.4688, 1.6269,  
0.0000

 213.2836,  
173.5204, 86.4814

 1.9706, 0.3756,  
0.0000

 258.2510,

 0.6174, 0.0000,

213.6084, 112.9501

0.0000

309.1324,  
259.4390, 144.3336

■ 0.0000, 0.0000,  
0.0000

■ 47.2115, 32.0609,  
7.4414

■ 47.2115, 32.0609,  
7.4414

■ 44.9740, 28.3431,  
4.3625

■ 50.2012, 36.7763,  
12.3362

■ 43.4003, 25.5371,  
2.7853

■ 54.0093, 42.5529,  
19.2772

■ 43.1509, 25.0822,  
2.5670

■ 58.6966, 49.4548,  
28.4621

■ 64.3168, 57.5394,  
40.0646

■ 70.9193, 66.8599,  
54.2410

78.5499, 77.4662,  
71.1347

87.2511, 89.4053,  
90.8780

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.



54.8723, 32.0609, 21.2653



47.2115, 32.0609, 7.4414



35.8377, 32.0609, 3.2863

# Triad

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



47.2115, 32.0609, 7.4414



14.5705, 32.0609, 22.2929



36.3881, 32.0609, 127.8667

# Complementary

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



47.2115, 32.0609, 7.4414



41.2716, 51.2424, 102.3226

# 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.



25.6722, 32.0609, 128.7649



47.2115, 32.0609, 7.4414



14.6512, 32.0609, 53.4104

# Square

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



47.2115, 32.0609, 7.4414



17.9935, 32.0609, 7.8152



18.2479, 32.0609, 96.3319



47.6948, 32.0609, 94.3189



# Rectangle

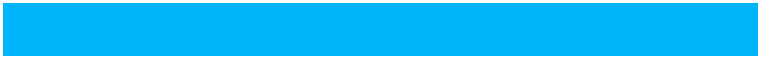
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2115, 32.0609, 7.4414



28.4724, 32.0609, 2.9796



18.2479, 32.0609, 96.3319



32.5651, 32.0609, 132.4543

# Sweetspot

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



47.2122, 32.0627, 7.4419



74.6333, 72.0407, 62.4053



53.7036, 28.5082, 60.5879



15.3990, 14.6175, 12.0893



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.



47.2122, 32.0627, 7.4419



43.9642, 26.5669, 3.2740



63.8447, 65.3276, 12.9861



18.3878, 18.7437, 18.7931



22.6480, 13.3073, 1.3749



2.2885, 1.4624, 0.1616



# Inverse Universe

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



41.2716, 51.2424, 102.3226



37.4457, 45.7117, 101.4574



24.8092, 18.3175, 96.8351



18.1376, 19.6468, 23.0862



19.1385, 23.1866, 52.9013



1.9513, 2.4332, 5.1801



# Previews

## White Background



This preview shows how the XYZ color 47.2115, 32.0609, 7.4414 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 47.2115, 32.0609, 7.4414 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 47.2115, 32.0609, 7.4414**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2115, 32.0609, 7.4414.



This preview shows how white text looks on a background with the XYZ color 47.2115, 32.0609,



# 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

47.2115, 32.0609, 7.4414

### Protanopia

29.4244, 32.1988, 10.2944

### Deuteranopia

32.7449, 32.0847, 6.9497



## Tritanopia

48.8506, 32.0646, 18.0824

# Trichromacy



## Original Color

47.2115, 32.0609, 7.4414

## Protanomaly

34.2282, 30.8180, 8.9949

## Deuteranomaly

37.1245, 31.3232, 6.9950

## Tritanomaly

48.0358, 31.8988, 13.2982

# Monochromacy



## Original Color

47.2115, 32.0609, 7.4414

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

31.1045, 27.7391, 19.3376

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2115, 32.0609, 7.4414 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, 107, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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(255, 107, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2115, 32.0609, 7.4414 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, 107, 56) }
```



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

```
.border{ border-color:rgb(255, 107, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2115, 32.0609, 7.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 56) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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