

Converting Colors

XYZ(47.1912, 32.0582, 7.3176)

Have a look what the booklet for
XYZ(47.1912, 32.0582, 7.3176)
contains.

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Color

**XYZ(47.1873, 32.0512,
7.3139)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B37
RGB	255, 107, 55
RGB Percent	100%, 42%, 22%
CMY	0.0000, 0.5804, 0.7843
CMYK	0.00, 0.58, 0.78, 0.00
HSL	16°, 100%, 61%
HSV	16°, 78%, 100%
XYZ	47.1873, 32.0512, 7.3139
YIQ	145.3240, 104.9000, 15.2040

Conversions

Conversions Part 2

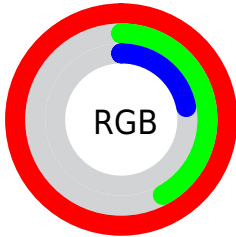
Format	Color
R _Y B	255, 125, 55
Decimal	16739127
CIE Lab	63.39, 53.73, 55.57
CIE LCh	63, 77.301, 45.962
Yxy	32.0512, 0.5452, 0.3703
Android (android.graphics.Color)	4294929207 (0xFFFF6B37)
YUV	145.3240, -44.5297, 96.1859
Hunter-Lab	56.6138, 49.7047, 31.9700

Details

The XYZ color **47.1873, 32.0512, 7.3139** 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 **40.9796, 50.7403, 102.2411**, and the grayscale version is **27.1925, 28.6086, 31.1548**.

A 20% lighter version of the original color is **56.7101, 48.1206, 19.6639**, and **22.6697, 13.4440, 1.4001** is the 20% darker color. If you saturate the color by 10%, you get **44.9690, 28.3536, 4.2979**, and if you desaturate by 10%, it is **50.1516, 36.7370, 12.1347**.

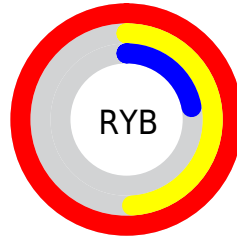
Distribution



Red (100%)

Green (42%)

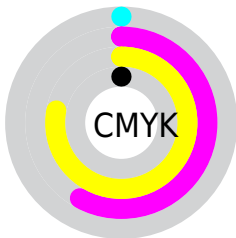
Blue (22%)



Red (100%)

Yellow (49%)

Blue (22%)

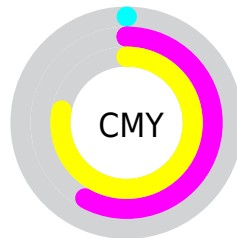


Cyan (0%)

Magenta (58%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1873, 32.0512, 7.3139 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 47.1873, 32.0512, 7.3139 by changing the saturation by 10% instead.


 47.1873, 32.0512,
7.3139


 47.1873, 32.0512,
7.3139


366.1981,
311.3524, 179.9758

 33.3923, 21.4006,
3.5778


 85.2102, 62.8913,
21.1255

 22.5878, 13.4171,
1.3967


 110.1688, 83.8497,
32.0380


 14.4085, 7.7164,
0.1391


 139.5793,
109.0127, 46.1798

 8.4889, 3.9140,
0.0000

 173.8071,
138.7649, 63.9693

 4.4638, 1.6256,
0.0000

 213.2175,
173.4905, 85.8251

 1.9677, 0.3748,
0.0000

 258.1759,

 0.6157, 0.0000,

213.5741, 112.1658

0.0000

309.0477,
259.3999, 143.4098

■ 0.0000, 0.0000,
0.0000

■ 47.1873, 32.0512,
7.3139

■ 47.1873, 32.0512,
7.3139

■ 44.9690, 28.3536,
4.2979

■ 50.1516, 36.7370,
12.1347

■ 43.4065, 25.5583,
2.7604

■ 53.9281, 42.4741,
18.9921

■ 43.2061, 25.1926,
2.5854

■ 58.5774, 49.3258,
28.0849

■ 64.1531, 57.3491,
39.5872

■ 70.7044, 66.5965,
53.6560

■ 78.2768, 77.1174,
70.4349

■ 86.9128, 88.9584,
90.0567

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



54.9374, 32.0512, 21.0324



47.1873, 32.0512, 7.3139



35.7511, 32.0512, 3.2246

Triad

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



47.1873, 32.0512, 7.3139



14.5032, 32.0512, 22.4309



36.5015, 32.0512, 128.2041

Complementary

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



47.1873, 32.0512, 7.3139



40.9796, 50.7403, 102.2411

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.



25.7251, 32.0512, 129.4317



47.1873, 32.0512, 7.3139



14.6129, 32.0512, 53.8153

Square

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



47.1873, 32.0512, 7.3139



17.9015, 32.0512, 7.8206



18.2477, 32.0512, 96.9988



47.8468, 32.0512, 94.2493

Rectangle

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



47.1873, 32.0512, 7.3139



28.3691, 32.0512, 2.9380



18.2477, 32.0512, 96.9988



32.6590, 32.0512, 132.9273

Sweetspot

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



47.1880, 32.0530, 7.3144



73.9313, 71.0984, 60.7480



53.6254, 28.4002, 60.4130



15.2656, 14.4389, 11.7728



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.



47.1880, 32.0530, 7.3144



44.0267, 26.6919, 3.2948



63.7607, 65.1983, 12.8386



18.3933, 18.7549, 18.7950



22.6780, 13.3672, 1.3849



2.2921, 1.4695, 0.1628

Inverse Universe

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



40.9796, 50.7403, 102.2411



37.2487, 45.3176, 101.3917



24.6772, 18.1356, 96.8070



18.1316, 19.6349, 23.0842



19.0329, 22.9753, 52.8661



1.9417, 2.4142, 5.1769

Previews

White Background



This preview shows how the XYZ color 47.1873, 32.0512, 7.3139 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 47.1873, 32.0512, 7.3139 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 47.1873, 32.0512, 7.3139

Background



This preview shows how black text looks on a background with the XYZ color 47.1873, 32.0512, 7.3139.



This preview shows how white text looks on a background with the XYZ color 47.1873, 32.0512,

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

47.1873, 32.0512, 7.3139

Protanopia

29.3936, 32.1865, 10.1322

Deuteranopia

32.7258, 32.0771, 6.8495



Tritanopia

48.8506, 32.0646, 18.0824

Trichromacy



Original Color

47.1873, 32.0512, 7.3139

Protanomaly

34.2000, 30.8068, 8.8464

Deuteranomaly

37.1037, 31.3149, 6.8851

Tritanomaly

47.9935, 31.8819, 13.0755

Monochromacy



Original Color

47.1873, 32.0512, 7.3139

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.0485, 27.7167, 19.0427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1873, 32.0512, 7.3139 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 55) }
```

Border

The CSS property to change the border of an element to XYZ 47.1873, 32.0512, 7.3139 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, 55) }
```


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

```
.border{ border-color:rgb(255, 107, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1873, 32.0512, 7.3139 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, 55) }
```

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

```
.background{ background-color: rgb(255,  
107, 55) }
```

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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