

Converting Colors

XYZ(53.3247, 47.3005, 7.2737)

Have a look what the booklet for
XYZ(53.3247, 47.3005, 7.2737)
contains.

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Color

**XYZ(53.2456, 47.1347,
7.2688)**

Conversions

Conversions Part 1

Format	Color
Hex	FBA41A
RGB	251, 164, 26
RGB Percent	98%, 64%, 10%
CMY	0.0157, 0.3568, 0.8980
CMYK	0.00, 0.35, 0.90, 0.02
HSL	37°, 97%, 54%
HSV	37°, 90%, 98%
XYZ	53.2456, 47.1347, 7.2688
YIQ	174.2810, 96.1500, -24.4740

Conversions

Conversions Part 2

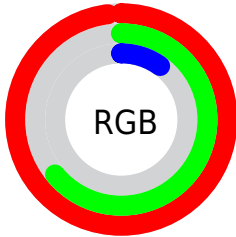
Format	Color
RYB	168, 251, 26
Decimal	16491546
CIELab	74.28, 23.06, 74.52
CIELCh	74, 78.001, 72.806
Yxy	47.1347, 0.4946, 0.4379
Android (android.graphics.Color)	4294681626 (0xFFFBA41A)
YUV	174.2810, -73.1025, 67.2826
Hunter-Lab	68.6547, 18.2911, 41.7810

Details

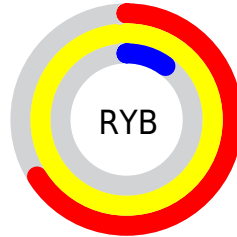
The XYZ color **53.2456, 47.1347, 7.2688** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **23.7437, 18.9948, 93.6811**, and the grayscale version is **40.7081, 42.8281, 46.6398**.

A 20% lighter version of the original color is **68.3747, 72.6443, 19.8692**, and **26.5332, 22.2797, 2.9020** is the 20% darker color. If you saturate the color by 10%, you get **51.3939, 43.7222, 5.7565**, and if you desaturate by 10%, it is **55.4637, 50.9099, 10.0477**.

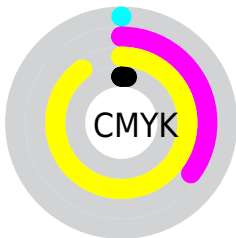
Distribution



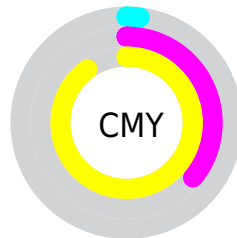
- Red (98%)
- Green (64%)
- Blue (10%)



- Red (66%)
- Yellow (98%)
- Blue (10%)



- Cyan (0%)
- Magenta (35%)
- Yellow (90%)
- Black (2%)





- Cyan (2%)
- Magenta (36%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2456, 47.1347, 7.2688 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 53.2456, 47.1347, 7.2688 by changing the saturation by 10% instead.


 53.2456, 47.1347,
7.2688

 53.2456, 47.1347,
7.2688


389.4721,
375.3519, 179.5937


 38.2271, 33.1422,
3.5498


 94.1291, 85.9147,
21.0340

 26.3370, 22.2354,
1.3818


 120.7248,
111.4708, 31.9172


 17.2099, 14.0299,
0.1274


 151.9103,
141.6504, 46.0256

 10.4805, 8.1415,
0.0000

 188.0509,
176.8376, 63.7777

 5.7834, 4.1856,
0.0000

 229.5121,
217.4170, 85.5920

 2.7532, 1.7779,
0.0000

 276.6591,

 1.0246, 0.4734,

263.7730, 111.8871

0.0000

329.8573,
316.2898, 143.0815

■ 0.0000, 0.0000,
0.0000

■ 53.2456, 47.1347,
7.2688

■ 53.2456, 47.1347,
7.2688

■ 51.3939, 43.7222,
5.7565

■ 55.4637, 50.9099,
10.0477


■ 51.3310, 43.6043,
5.7110


■ 58.1147, 55.0729,
14.4424


■ 61.2442, 59.6483,
20.6763


■ 64.8905, 64.6558,
28.9363

■ 69.0870, 70.1128,
39.3862

 73.8640, 76.0356,
52.1730

 79.2492, 82.4392,
67.4306

 85.2685, 89.3378,
85.2829

 91.9459, 96.7447,
105.8453

Harmonies

Analogous

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



67.6153, 47.1347, 14.7193



53.2456, 47.1347, 7.2688



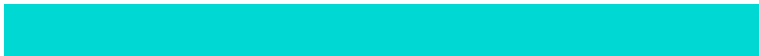
39.0901, 47.1347, 6.8611

Triad

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



53.2456, 47.1347, 7.2688



23.3296, 47.1347, 70.3931



65.7139, 47.1347, 131.2929

Complementary

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



53.2456, 47.1347, 7.2688



23.7437, 18.9948, 93.6811

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.



51.0407, 47.1347, 169.3164



53.2456, 47.1347, 7.2688



27.7987, 47.1347, 123.6318

Square

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



53.2456, 47.1347, 7.2688



23.6769, 47.1347, 31.7249



37.2985, 47.1347, 165.9498



75.7804, 47.1347, 77.6765

Rectangle

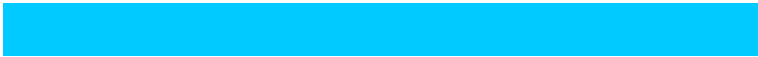
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2456, 47.1347, 7.2688



31.7315, 47.1347, 9.9508



37.2985, 47.1347, 165.9498



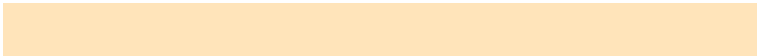
61.0393, 47.1347, 147.3257

Sweetspot

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



53.2466, 47.1371, 7.2697



77.9668, 80.5074, 57.9682



43.3056, 22.5092, 18.5865



16.2990, 16.7615, 11.3289



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.



53.2466, 47.1371, 7.2697



53.1966, 45.1732, 5.9155



66.8373, 85.6444, 13.9860



18.1310, 18.9978, 18.1737



27.1274, 23.2114, 3.0505



2.6152, 2.3553, 0.3168

Inverse Universe

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



23.7437, 18.9948, 93.6811



22.4735, 16.0671, 96.5245



19.0250, 8.3449, 91.8742



16.8333, 17.7434, 21.9229



11.5327, 8.4210, 48.9911



1.1674, 0.9785, 4.5705

Previews

White Background



This preview shows how the XYZ color 53.2456, 47.1347, 7.2688 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 53.2456, 47.1347, 7.2688 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 53.2456, 47.1347, 7.2688

Background



This preview shows how black text looks on a background with the XYZ color 53.2456, 47.1347, 7.2688.



This preview shows how white text looks on a background with the XYZ color 53.2456, 47.1347,

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

53.2456, 47.1347, 7.2688

Protanopia

42.8548, 47.5071, 8.2776

Deuteranopia

48.1846, 47.2984, 7.0801



Tritanopia

59.5871, 47.0878, 41.5456

Trichromacy



Original Color

53.2456, 47.1347, 7.2688

Protanomaly

46.0807, 47.0676, 7.8845

Deuteranomaly

49.7609, 46.9771, 7.1066

Tritanomaly

56.1372, 46.7395, 21.9825

Monochromacy



Original Color

53.2456, 47.1347, 7.2688

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.1220, 42.6621, 23.7838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2456, 47.1347, 7.2688 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(251, 164, 26)` looks like.

```
.text, #text, p{  
    color:rgb(251, 164, 26)  
}
```

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(251, 164, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 164, 26) }
```

Border

The CSS property to change the border of an element to XYZ 53.2456, 47.1347, 7.2688 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(251, 164, 26) }
```


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

```
.border{ border-color:rgb(251, 164, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 164, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 164, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 164, 26);  
box-shadow:4px 4px 4px 4px rgb(251, 164,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2456, 47.1347, 7.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 164, 26) }
```

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

```
.background{ background-color: rgb(251,  
164, 26) }
```

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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