

Converting Colors

XYZ(47.6244, 33.0553, 7.0605)

Have a look what the booklet for
XYZ(47.6244, 33.0553, 7.0605)
contains.

XYZ(47.6540, 33.0963, 7.1254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6540, 33.0963,
7.1254)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7034
RGB	255, 112, 52
RGB Percent	100%, 44%, 20%
CMY	0.0000, 0.5607, 0.7961
CMYK	0.00, 0.56, 0.80, 0.00
HSL	18°, 100%, 60%
HSV	18°, 80%, 100%
XYZ	47.6540, 33.0963, 7.1254
YIQ	147.9170, 104.4880, 11.6560

Conversions

Conversions Part 2

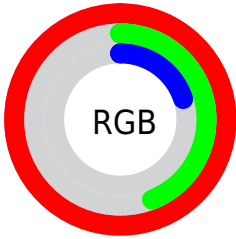
Format	Color
R_{YB}	255, 137, 52
Decimal	16740404
CIE Lab	64.24, 51.36, 57.75
CIE LCh	64, 77.280, 48.352
Yxy	33.0963, 0.5423, 0.3766
Android (android.graphics.Color)	4294930484 (0xFFFF7034)
YUV	147.9170, -47.2871, 93.9118
Hunter-Lab	57.5294, 47.1826, 32.9271

Details

The XYZ color **47.6540, 33.0963, 7.1254** 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 **38.9794, 46.9766, 101.6199**, and the grayscale version is **28.2754, 29.7480, 32.3955**.

A 20% lighter version of the original color is **57.5069, 49.8767, 19.4282**, and **22.9989, 14.1025, 1.5099** is the 20% darker color. If you saturate the color by 10%, you get **45.4387, 29.3505, 4.2773**, and if you desaturate by 10%, it is **50.5758, 37.7604, 11.7373**.

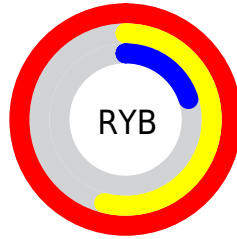
Distribution



Red (100%)

Green (44%)

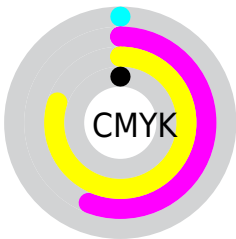
Blue (20%)



Red (100%)

Yellow (54%)

Blue (20%)

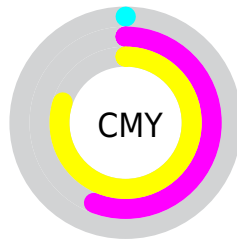


Cyan (0%)

Magenta (56%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6540, 33.0963, 7.1254 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 47.6540, 33.0963, 7.1254 by changing the saturation by 10% instead.


 47.6540, 33.0963,
7.1254


 47.6540, 33.0963,
7.1254


368.0245,
316.0834, 178.3719

 33.7631, 22.2002,
3.4610


 85.9018, 64.5258,
20.7422

 22.8737, 14.0041,
1.3346


 110.9895, 85.8281,
31.5317


 14.6204, 8.1235,
0.0899


 140.5400,
111.3679, 45.5333

 8.6380, 4.1741,
0.0000

 174.9189,
141.5296, 63.1655

 4.5610, 1.7714,
0.0000

 214.4914,
176.6976, 84.8470

 2.0242, 0.4693,
0.0000

 259.6230,

 0.6475, 0.0000,

217.2563, 110.9962

0.0000

310.6789,
263.5901, 142.0316

■ 0.0000, 0.0000,
0.0000

■ 47.6540, 33.0963,
7.1254

■ 47.6540, 33.0963,
7.1254

■ 45.4387, 29.3505,
4.2773

■ 50.5758, 37.7604,
11.7373

■ 43.8355, 26.4427,
2.8223

■ 54.2674, 43.3980,
18.3489

■ 43.7816, 26.3436,
2.7773

■ 58.7862, 50.0659,
27.1610

■ 64.1834, 57.8146,
38.3491

■ 70.5053, 66.6911,
52.0709

■ 77.7951, 76.7392,
68.4704

■ 86.0929, 88.0008,
87.6809

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.



56.0159, 33.0963, 20.1700



47.6540, 33.0963, 7.1254



35.9093, 33.0963, 3.3475

Triad

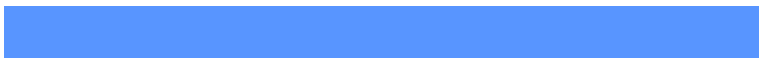
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.6540, 33.0963, 7.1254



14.9945, 33.0963, 25.1671



38.5744, 33.0963, 129.1170

Complementary

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



47.6540, 33.0963, 7.1254



38.9794, 46.9766, 101.6199

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.



27.3889, 33.0963, 133.4446



47.6540, 33.0963, 7.1254



15.3874, 33.0963, 58.5911

Square

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



47.6540, 33.0963, 7.1254



18.1846, 33.0963, 8.9583



19.4217, 33.0963, 102.6205



49.9913, 33.0963, 92.9106

Rectangle

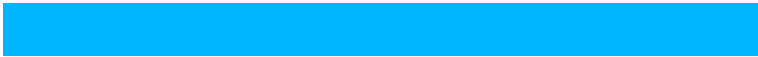
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6540, 33.0963, 7.1254



28.4924, 33.0963, 3.2253



19.4217, 33.0963, 102.6205



34.6205, 33.0963, 134.8934

Sweetspot

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



47.6547, 33.0982, 7.1259



74.4714, 72.1786, 60.9280



52.6013, 27.7694, 55.7017



15.3929, 14.6936, 11.8153



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.



47.6547, 33.0982, 7.1259



44.3559, 27.4024, 3.2443



65.1579, 68.1045, 12.9603



18.4469, 18.8620, 18.8128



22.9890, 13.9893, 1.4885



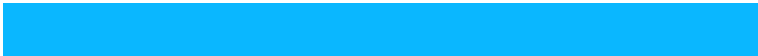
2.3284, 1.5421, 0.1749

Inverse Universe

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



38.9794, 46.9766, 101.6199



35.0361, 41.0026, 100.6754



23.6476, 16.3130, 96.5093



18.0748, 19.5213, 23.0653



18.0558, 21.0212, 52.5404



1.8531, 2.2369, 5.1474

Previews

White Background



This preview shows how the XYZ color 47.6540, 33.0963, 7.1254 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 47.6540, 33.0963, 7.1254 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 47.6540, 33.0963, 7.1254

Background



This preview shows how black text looks on a background with the XYZ color 47.6540, 33.0963, 7.1254.



This preview shows how white text looks on a background with the XYZ color 47.6540, 33.0963,

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

47.6540, 33.0963, 7.1254

Protanopia

30.2694, 33.1458, 9.6529

Deuteranopia

33.7379, 33.0688, 6.6122



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.6540, 33.0963, 7.1254

Protanomaly

34.8223, 31.7789, 8.5736

Deuteranomaly

37.7339, 32.2615, 6.6212

Tritanomaly

48.5970, 32.9526, 13.6967

Monochromacy



Original Color

47.6540, 33.0963, 7.1254

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.1381, 29.0850, 19.5429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6540, 33.0963, 7.1254 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, 112, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 52)  
}
```

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, 112, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 52) }
```

Border

The CSS property to change the border of an element to XYZ 47.6540, 33.0963, 7.1254 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, 112, 52) }
```


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

```
.border{ border-color:rgb(255, 112, 52) }
```

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

Here you see how a box with a 4 pixel rgb(255, 112, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6540, 33.0963, 7.1254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 52) }
```

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

```
.background{ background-color: rgb(255,  
112, 52) }
```

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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