

Converting Colors

XYZ(49.7265, 36.4822, 10.1565)

Have a look what the booklet for
XYZ(49.7265, 36.4822, 10.1565)
contains.

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Color

**XYZ(49.6791, 36.3694,
10.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7D46
RGB	255, 125, 70
RGB Percent	100%, 49%, 27%
CMY	0.0000, 0.5098, 0.7255
CMYK	0.00, 0.51, 0.73, 0.00
HSL	18°, 100%, 64%
HSV	18°, 73%, 100%
XYZ	49.6791, 36.3694, 10.1960
YIQ	157.6000, 95.1350, 10.4550

Conversions

Conversions Part 2

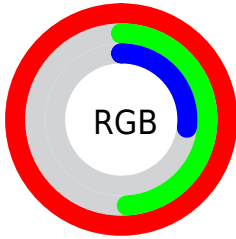
Format	Color
R _Y B	255, 148, 70
Decimal	16743750
CIE Lab	66.80, 45.86, 51.94
CIE LCh	67, 69.288, 48.557
Yxy	36.3694, 0.5162, 0.3779
Android (android.graphics.Color)	4294933830 (0xFFFF7D46)
YUV	157.6000, -43.1868, 85.4198
Hunter-Lab	60.3070, 41.5055, 32.1909

Details

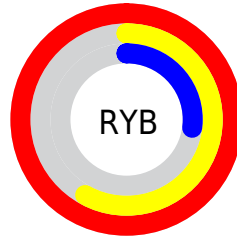
The XYZ color **49.6791, 36.3694, 10.1960** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.2285, 49.8274, 102.0518**, and the grayscale version is **32.4785, 34.1699, 37.2110**.

A 20% lighter version of the original color is **61.0124, 55.2830, 25.5441**, and **24.1819, 15.8917, 2.4547** is the 20% darker color. If you saturate the color by 10%, you get **46.9710, 31.9797, 6.1297**, and if you desaturate by 10%, it is **53.1395, 41.7180, 16.1981**.

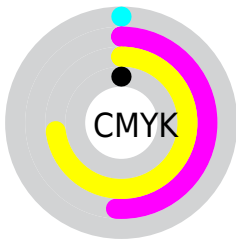
Distribution



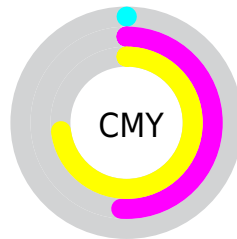
- Red (100%)
- Green (49%)
- Blue (27%)



- Red (100%)
- Yellow (58%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6791, 36.3694, 10.1960 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 49.6791, 36.3694, 10.1960 by changing the saturation by 10% instead.


 49.6791, 36.3694,
10.1960


 49.6791, 36.3694,
10.1960

375.8825,
330.5723, 202.6007

 35.3752, 24.7196,
5.4218


 88.8939, 69.6018,
26.7771

 24.1199, 15.8683,
2.4338


 114.5356, 91.9533,
39.4210


 15.5478, 9.4310,
0.8048


 144.6872,
118.6408, 55.5253

 9.2936, 5.0234,
0.0000

 179.7142,
150.0487, 75.5085

 4.9918, 2.2610,
0.0000

 219.9818,
186.5614, 99.7890

 2.2772, 0.7529,
0.0000

265.8555,

 0.7829, 0.0000,

228.5633, 128.7856

0.0000

317.7006,
276.4388, 162.9166

■ 0.0000, 0.0000,
0.0000

■ 49.6791, 36.3694,
10.1960

■ 49.6791, 36.3694,
10.1960

■ 46.9710, 31.9797,
6.1297

■ 53.1395, 41.7180,
16.1981

■ 44.9440, 28.4804,
3.7446


■ 57.4086, 48.0756,
24.3435


■ 43.8118, 26.4040,
2.7873

■ 62.5396, 55.4957,
34.8147

■ 68.5799, 64.0257,
47.7742

■ 75.5735, 73.7103,
63.3695

 83.5612, 84.5915,
81.7367

 92.5814, 96.7092,
103.0025

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.



57.3824, 36.3694, 23.9385



49.6791, 36.3694, 10.1960



38.7181, 36.3694, 5.7074

Triad

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



49.6791, 36.3694, 10.1960



18.3518, 36.3694, 29.2271



41.3793, 36.3694, 123.2692

Complementary

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



49.6791, 36.3694, 10.1960



41.2285, 49.8274, 102.0518

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.



30.7257, 36.3694, 127.2593



49.6791, 36.3694, 10.1960



18.7790, 36.3694, 60.9304

Square

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



49.6791, 36.3694, 10.1960



21.5658, 36.3694, 12.3837



22.8815, 36.3694, 100.4547



51.9629, 36.3694, 91.3355

Rectangle

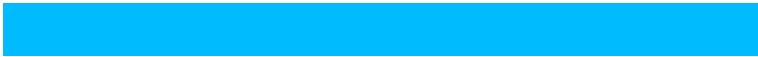
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6791, 36.3694, 10.1960



31.6581, 36.3694, 5.5699



22.8815, 36.3694, 100.4547



37.6511, 36.3694, 128.3606

Sweetspot

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



49.6799, 36.3714, 10.1966



75.9857, 74.2759, 64.3038



54.1599, 29.9324, 59.1629



15.8343, 15.3073, 12.7922



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.



49.6799, 36.3714, 10.1966



45.9893, 30.3159, 4.8775



66.6245, 70.2604, 15.8448



18.4495, 18.8672, 18.8137



23.0053, 14.0218, 1.4940



2.3302, 1.5459, 0.1756

Inverse Universe

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



41.2285, 49.8274, 102.0518



36.8874, 43.9565, 101.1480



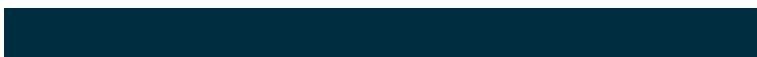
26.1609, 19.6923, 97.0293



18.0721, 19.5158, 23.0644



18.0099, 20.9293, 52.5251



1.8489, 2.2285, 5.1460

Previews

White Background



This preview shows how the XYZ color 49.6791, 36.3694, 10.1960 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 49.6791, 36.3694, 10.1960 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 49.6791, 36.3694, 10.1960

Background



This preview shows how black text looks on a background with the XYZ color 49.6791, 36.3694, 10.1960.



This preview shows how white text looks on a background with the XYZ color 49.6791, 36.3694,

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

49.6791, 36.3694, 10.1960

Protanopia

33.4426, 36.5069, 13.2666

Deuteranopia

37.2472, 36.4981, 9.7843



Tritanopia

51.8528, 36.2515, 24.6864

Trichromacy



Original Color

49.6791, 36.3694, 10.1960

Protanomaly

37.8547, 35.3103, 12.0281

Deuteranomaly

41.0808, 35.8695, 9.9126

Tritanomaly

50.8534, 36.2406, 18.2248

Monochromacy



Original Color

49.6791, 36.3694, 10.1960

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.0371, 33.4016, 24.2865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6791, 36.3694, 10.1960 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, 125, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 70)  
}
```

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, 125, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 70) }
```

Border

The CSS property to change the border of an element to XYZ 49.6791, 36.3694, 10.1960 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, 125, 70) }
```


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

```
.border{ border-color:rgb(255, 125, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6791, 36.3694, 10.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 70) }
```

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

```
.background{ background-color: rgb(255,  
125, 70) }
```

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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