

Converting Colors

XYZ(50.2513, 36.6223, 13.1358)

Have a look what the booklet for
XYZ(50.2513, 36.6223, 13.1358)
contains.

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Color

**XYZ(50.2533, 36.5991,
13.2198)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7D56 |
| RGB | 255, 125, 86 |
| RGB Percent | 100%, 49%, 34% |
| CMY | 0.0000, 0.5098, 0.6627 |
| CMYK | 0.00, 0.51, 0.66, 0.00 |
| HSL | 14°, 100%, 67% |
| HSV | 14°, 66%, 100% |
| XYZ | 50.2533, 36.5991, 13.2198 |
| YIQ | 159.4240, 89.9990, 15.4310 |

Conversions

Conversions Part 2

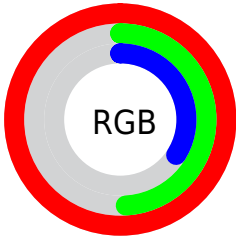
| Format | Color |
|-------------------------------------|---|
| RYB | 255, 137, 86 |
| Decimal | 16743766 |
| CIELab | 66.98, 46.66, 44.03 |
| CIElCh | 67, 64.149, 43.339 |
| Yxy | 36.5991, 0.5022, 0.3657 |
| Android (android.graphics.Color) | 4294933846 (0xFFFF7D56) |
| YUV | 159.4240, -36.1980, 83.8202 |
| Hunter-Lab | 60.4972, 42.4048, 29.3920 |

Details

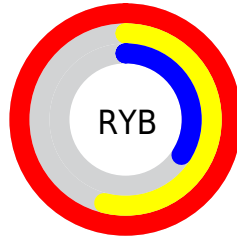
The XYZ color **50.2533, 36.5991, 13.2198** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.4417, 58.3063, 103.4136**, and the grayscale version is **33.2819, 35.0151, 38.1315**.

A 20% lighter version of the original color is **62.0766, 55.7087, 31.1480**, and **24.4054, 15.9811, 3.6321** is the 20% darker color. If you saturate the color by 10%, you get **47.1605, 31.7750, 7.9924**, and if you desaturate by 10%, it is **54.2045, 42.5542, 20.5410**.

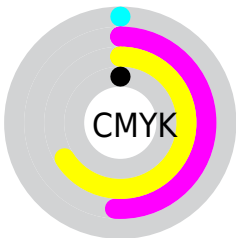
Distribution



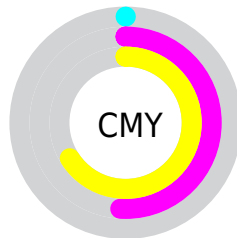
- Red (100%)
- Green (49%)
- Blue (34%)



- Red (100%)
- Yellow (54%)
- Blue (34%)



- Cyan (0%)
- Magenta (51%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2533, 36.5991, 13.2198 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 50.2533, 36.5991, 13.2198 by changing the saturation by 10% instead.


 50.2533, 36.5991,
13.2198


 50.2533, 36.5991,
13.2198


378.0913,
331.5716, 223.5786

 35.8333, 24.8972,
7.4476

 89.7396, 69.9558,
32.3951


 24.4750, 16.0005,
3.6609


 115.5367, 92.3794,
46.6352


 15.8130, 9.5245,
1.4412


 145.8569,
119.1457, 64.5350

 9.4819, 5.0849,
0.1736

 181.0655,
150.6391, 86.5131

 5.1165, 2.2971,
0.0000

 221.5279,
187.2440, 112.9879

 2.3512, 0.7722,
0.0000

267.6094,

 0.8207, 0.0000,

229.3448, 144.3781

0.0000

319.6754,
277.3258, 181.1022

■ 0.0000, 0.0000,
0.0000

■ 50.2533, 36.5991,
13.2198

■ 50.2533, 36.5991,
13.2198

■ 47.1605, 31.7750,
7.9924

■ 54.2045, 42.5542,
20.5410

■ 44.8533, 28.0017,
4.6311

■ 59.0730, 49.7018,
30.1473


■ 43.2497, 25.1965,
2.8567

■ 64.9155, 58.1054,
42.2105

■ 42.7963, 24.3731,
2.4489

■ 71.7829, 67.8226,
56.8853

■ 79.7226, 78.9072,
74.3135

 88.7788, 91.4098,
94.6268

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.



56.3630, 36.5991, 28.7178



50.2533, 36.5991, 13.2198



40.4337, 36.5991, 7.3963

Triad

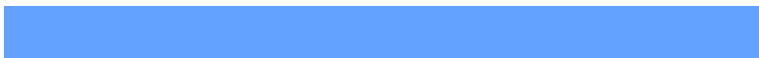
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.2533, 36.5991, 13.2198



19.7589, 36.5991, 26.3718



39.2860, 36.5991, 118.0795

Complementary

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



50.2533, 36.5991, 13.2198



46.4417, 58.3063, 103.4136

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.



29.6909, 36.5991, 116.4279



50.2533, 36.5991, 13.2198



19.5669, 36.5991, 53.5416

Square

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



50.2533, 36.5991, 13.2198



23.4564, 36.5991, 12.1944



22.8713, 36.5991, 89.1255



49.2791, 36.5991, 92.9367

Rectangle

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



50.2533, 36.5991, 13.2198



33.7075, 36.5991, 6.7156



22.8713, 36.5991, 89.1255



35.8880, 36.5991, 120.8973

Sweetspot

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



50.2541, 36.6011, 13.2204



76.6364, 74.6143, 67.4896



57.2727, 32.9977, 69.9434



15.9266, 15.3049, 13.3995



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.



50.2541, 36.6011, 13.2204



46.2133, 30.2504, 6.5352



65.2606, 66.6139, 18.2226



18.3495, 18.6672, 18.7803



22.4548, 12.9208, 1.3105



2.2649, 1.4153, 0.1538

Inverse Universe

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



46.4417, 58.3063, 103.4136



41.9502, 52.9938, 102.6256



30.3969, 26.2166, 98.0653



18.1785, 19.7286, 23.0998



19.8819, 24.6734, 53.1491



2.0181, 2.5669, 5.2024

Previews

White Background



This preview shows how the XYZ color 50.2533, 36.5991, 13.2198 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 50.2533, 36.5991, 13.2198 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 50.2533, 36.5991, 13.2198

Background



This preview shows how black text looks on a background with the XYZ color 50.2533, 36.5991, 13.2198.



This preview shows how white text looks on a background with the XYZ color 50.2533, 36.5991,

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

50.2533, 36.5991, 13.2198

Protanopia

33.9878, 36.6982, 17.3487

Deuteranopia

37.4238, 36.7736, 12.7150



Tritanopia

52.0398, 36.5197, 25.0751

Trichromacy



Original Color

50.2533, 36.5991, 13.2198

Protanomaly

38.5451, 35.5865, 15.6638

Deuteranomaly

41.4672, 36.2321, 12.7906

Tritanomaly

51.1802, 36.3713, 19.9457

Monochromacy



Original Color

50.2533, 36.5991, 13.2198

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.8467, 34.0027, 26.4509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2533, 36.5991, 13.2198 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 86) }
```

Border

The CSS property to change the border of an element to XYZ 50.2533, 36.5991, 13.2198 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, 86) }
```


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

```
.border{ border-color:rgb(255, 125, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2533, 36.5991, 13.2198 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
125, 86) }
```

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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