

Converting Colors

XYZ(51.7766, 41.0121, 9.5149)

Have a look what the booklet for
XYZ(51.7766, 41.0121, 9.5149)
contains.

XYZ(51.7286, 40.9322, 9.4493)	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(51.7286, 40.9322,
9.4493)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E3C
RGB	255, 142, 60
RGB Percent	100%, 56%, 24%
CMY	0.0000, 0.4431, 0.7647
CMYK	0.00, 0.44, 0.76, 0.00
HSL	25°, 100%, 62%
HSV	25°, 76%, 100%
XYZ	51.7286, 40.9322, 9.4493
YIQ	166.4390, 93.6700, -1.5460

Conversions

Conversions Part 2

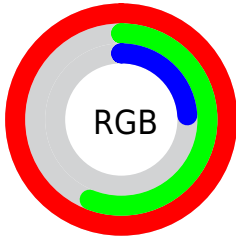
Format	Color
R_{YB}	255, 202, 60
Decimal	16748092
CIE _{Lab}	70.13, 36.98, 59.95
CIE _{LCh}	70, 70.439, 58.330
Yxy	40.9322, 0.5066, 0.4009
Android (android.graphics.Color)	4294938172 (0xFFFF8E3C)
YUV	166.4390, -52.4744, 77.6680
Hunter-Lab	63.9783, 32.3613, 36.0279

Details

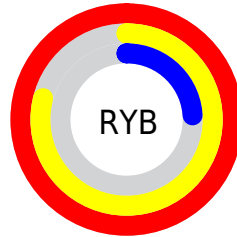
The XYZ color **51.7286, 40.9322, 9.4493** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.8560, 38.0657, 100.1174**, and the grayscale version is **36.6739, 38.5838, 42.0178**.

A 20% lighter version of the original color is **64.1309, 62.3624, 23.9863**, and **25.3944, 18.5188, 2.2361** is the 20% darker color. If you saturate the color by 10%, you get **49.1551, 36.6169, 6.0287**, and if you desaturate by 10%, it is **54.9198, 45.9645, 14.6769**.

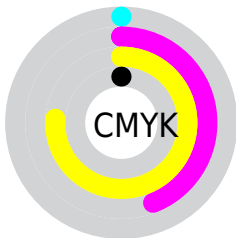
Distribution



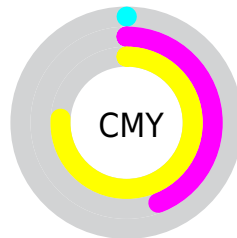
- Red (100%)
- Green (56%)
- Blue (24%)



- Red (100%)
- Yellow (79%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7286, 40.9322, 9.4493 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 51.7286, 40.9322, 9.4493 by changing the saturation by 10% instead.


 51.7286, 40.9322,
9.4493


 51.7286, 40.9322,
9.4493


383.7291,
350.0372, 197.0350

 37.0122, 28.2661,
4.9346


 91.9075, 76.5810,
25.3458


 25.3906, 18.5264,
2.1509

 118.1006,
100.3324, 37.5647

 16.4986, 11.3285,
0.6458


 148.8501,
128.5478, 53.1888

 9.9708, 6.2883,
0.0000

 184.5212,
161.6115, 72.6365

 5.4417, 3.0211,
0.0000

 225.4793,
199.9079, 96.3264

 2.5461, 1.1428,
0.0000

272.0897,

 0.9185, 0.0142,

243.8213, 124.6771

0.0000

324.7179,
293.7363, 158.1071

■ 0.0000, 0.0000,
0.0000

■ 51.7286, 40.9322,
9.4493

■ 51.7286, 40.9322,
9.4493

■ 49.1551, 36.6169,
6.0287

■ 54.9198, 45.9645,
14.6769

■ 47.1336, 32.9687,
4.1379

■ 58.7780, 51.7453,
21.9296

■ 46.5223, 31.8251,
3.6909

■ 63.3492, 58.3112,
31.3966

■ 68.6742, 65.6940,
43.2442

■ 74.7904, 73.9235,
57.6230

81.7322, 83.0279,
74.6706

89.5319, 93.0338,
94.5148

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.



61.8347, 40.9322, 20.7379



51.7286, 40.9322, 9.4493



39.5540, 40.9322, 6.4807

Triad

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



51.7286, 40.9322, 9.4493



20.7018, 40.9322, 42.7448



50.3883, 40.9322, 126.9487

Complementary

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



51.7286, 40.9322, 9.4493



34.8560, 38.0657, 100.1174

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.



38.2628, 40.9322, 142.7734



51.7286, 40.9322, 9.4493



22.4862, 40.9322, 81.9479

Square

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



51.7286, 40.9322, 9.4493



22.9371, 40.9322, 18.8739



28.3976, 40.9322, 123.2698



60.9597, 40.9322, 86.8487

Rectangle

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



51.7286, 40.9322, 9.4493



32.3478, 40.9322, 7.4037



28.3976, 40.9322, 123.2698



46.2929, 40.9322, 135.9509

Sweetspot

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



51.7295, 40.9344, 9.4500



77.1041, 76.9823, 63.2289



50.4714, 27.5381, 42.5723



15.9884, 15.7963, 12.2857



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.



51.7295, 40.9344, 9.4500



47.9738, 34.5199, 4.8151



72.8486, 83.1726, 16.4897



18.6371, 19.2425, 18.8762



24.4490, 16.9092, 1.9752



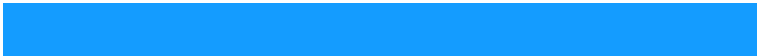
2.4857, 1.8568, 0.2274

Inverse Universe

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



34.8560, 38.0657, 100.1174



30.2923, 31.2642, 99.0458



22.5154, 13.3844, 96.0038



17.8773, 19.1263, 22.9995



15.0964, 15.1024, 51.5540



1.5780, 1.6867, 5.0557

Previews

White Background



This preview shows how the XYZ color 51.7286, 40.9322, 9.4493 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 51.7286, 40.9322, 9.4493 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 51.7286, 40.9322, 9.4493

Background



This preview shows how black text looks on a background with the XYZ color 51.7286, 40.9322, 9.4493.



This preview shows how white text looks on a background with the XYZ color 51.7286, 40.9322,

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

51.7286, 40.9322, 9.4493

Protanopia

37.5341, 41.1289, 11.4292

Deuteranopia

41.7641, 40.8985, 9.0612



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

51.7286, 40.9322, 9.4493

Protanomaly

41.7233, 40.3185, 10.5842

Deuteranomaly

45.0683, 40.5512, 9.1932

Tritanomaly

53.3657, 40.6519, 20.9535

Monochromacy



Original Color

51.7286, 40.9322, 9.4493

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.1764, 37.6520, 25.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7286, 40.9322, 9.4493 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, 142, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 60)  
}
```

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, 142, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 60) }
```

Border

The CSS property to change the border of an element to XYZ 51.7286, 40.9322, 9.4493 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, 142, 60) }
```


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

```
.border{ border-color:rgb(255, 142, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7286, 40.9322, 9.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 60) }
```

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

```
.background{ background-color: rgb(255,  
142, 60) }
```

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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