

Converting Colors

XYZ(51.0155, 42.1144, 9.9976)

Have a look what the booklet for
XYZ(51.0155, 42.1144, 9.9976)
contains.

XYZ(51.0413, 42.1667, 10.0062)	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(51.0413, 42.1667,
10.0062)**

Conversions

Conversions Part 1

Format	Color
Hex	FA953E
RGB	250, 149, 62
RGB Percent	98%, 58%, 24%
CMY	0.0196, 0.4157, 0.7569
CMYK	0.00, 0.40, 0.75, 0.02
HSL	28°, 95%, 61%
HSV	28°, 75%, 98%
XYZ	51.0413, 42.1667, 10.0062
YIQ	169.2810, 88.1230, -5.6450

Conversions

Conversions Part 2

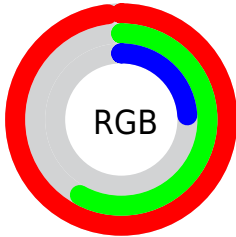
Format	Color
R _Y B	250, 224, 62
Decimal	16422206
CIE Lab	70.99, 31.47, 59.72
CIE LCh	71, 67.506, 62.212
Yxy	42.1667, 0.4945, 0.4085
Android (android.graphics.Color)	4294612286 (0xFFFA953E)
YUV	169.2810, -52.8895, 70.7906
Hunter-Lab	64.9359, 26.6678, 36.3189

Details

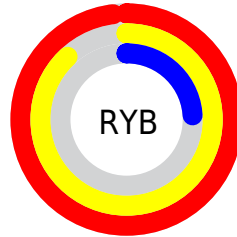
The XYZ color **51.0413, 42.1667, 10.0062** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.3381, 34.1187, 95.3230**, and the grayscale version is **38.0758, 40.0587, 43.6239**.

A 20% lighter version of the original color is **65.8701, 65.6606, 25.1216**, and **25.0137, 19.2408, 2.3955** is the 20% darker color. If you saturate the color by 10%, you get **48.5028, 37.9470, 6.5186**, and if you desaturate by 10%, it is **54.1420, 47.0070, 15.2370**.

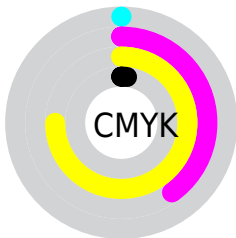
Distribution



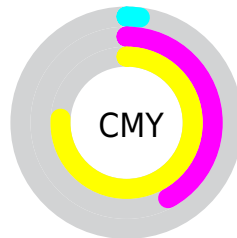
- Red (98%)
- Green (58%)
- Blue (24%)



- Red (98%)
- Yellow (88%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (75%)
- Black (2%)





- Cyan (2%)
- Magenta (42%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0413, 42.1667, 10.0062 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 51.0413, 42.1667, 10.0062 by changing the saturation by 10% instead.


 51.0413, 42.1667,
10.0062


 51.0413, 42.1667,
10.0062


381.1092,
355.1735, 201.2027

 36.4627, 29.2318,
5.2974


 90.8984, 78.4519,
26.4152


 24.9635, 19.2563,
2.3610


 116.9077,
102.5709, 38.9524

 16.1784, 11.8556,
0.7651


 147.4578,
131.1869, 54.9362

 9.7422, 6.6454,
0.0000

 182.9141,
164.6841, 74.7852

 5.2893, 3.2414,
0.0000

 223.6421,
203.4470, 98.9177

 2.4545, 1.2590,
0.0000

270.0070,

 0.8724, 0.1091,

247.8599, 127.7525

0.0000

322.3743,
298.3073, 161.7080

■ 0.0000, 0.0000,
0.0000

■ 51.0413, 42.1667,
10.0062

■ 51.0413, 42.1667,
10.0062

■ 48.5028, 37.9470,
6.5186

■ 54.1420, 47.0070,
15.2370

■ 46.4681, 34.3057,
4.5204


■ 57.8482, 52.4924,
22.4130


■ 45.6349, 32.7455,
3.9153


■ 62.2012, 58.6533,
31.7106

■ 67.2374, 65.5157,
43.2854

■ 72.9901, 73.1041,
57.2784

 79.4900, 81.4415,
73.8189

 86.7661, 90.5498,
93.0270

 93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



61.3258, 42.1667, 20.1596



51.0413, 42.1667, 10.0062



39.2485, 42.1667, 7.6478

Triad

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



51.0413, 42.1667, 10.0062



22.1049, 42.1667, 48.3470



52.7605, 42.1667, 120.8804

Complementary

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



51.0413, 42.1667, 10.0062



32.3381, 34.1187, 95.3230

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.



40.9195, 42.1667, 139.9062



51.0413, 42.1667, 10.0062



24.4108, 42.1667, 87.5239

Square

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



51.0413, 42.1667, 10.0062



23.8154, 42.1667, 22.6498



30.8093, 42.1667, 125.5003



62.4420, 42.1667, 81.3055

Rectangle

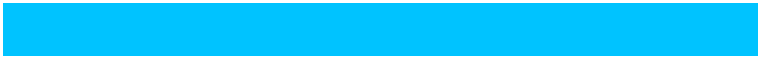
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.0413, 42.1667, 10.0062



32.4390, 42.1667, 9.1112



30.8093, 42.1667, 125.5003



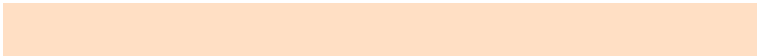
48.8314, 42.1667, 130.5499

Sweetspot

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



51.0423, 42.1689, 10.0070



77.7634, 78.3008, 63.4487



47.9749, 26.5006, 38.3754



16.1467, 16.1129, 12.3385



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.



51.0423, 42.1689, 10.0070



49.6333, 37.7571, 5.6201



71.6305, 83.3454, 16.8697



17.9066, 18.5491, 18.0990



24.3469, 17.6505, 2.1237



2.3598, 1.8444, 0.2316

Inverse Universe

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



32.3381, 34.1187, 95.3230



29.1772, 28.8608, 98.6406



21.5209, 12.4841, 91.7173



17.0554, 18.1876, 21.9969



13.8424, 13.0404, 49.7610



1.3881, 1.4200, 4.6441

Previews

White Background



This preview shows how the XYZ color 51.0413, 42.1667, 10.0062 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 51.0413, 42.1667, 10.0062 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 51.0413, 42.1667, 10.0062

Background



This preview shows how black text looks on a background with the XYZ color 51.0413, 42.1667, 10.0062.



This preview shows how white text looks on a background with the XYZ color 51.0413, 42.1667,

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

51.0413, 42.1667, 10.0062

Protanopia

38.4584, 42.1711, 11.7431

Deuteranopia

43.1071, 42.1111, 9.7272



Tritanopia

56.1231, 42.2182, 34.0451

Trichromacy



Original Color

51.0413, 42.1667, 10.0062

Protanomaly

42.1701, 41.5998, 10.9612

Deuteranomaly

45.8207, 41.9350, 9.8169

Tritanomaly

53.6005, 41.8356, 22.3896

Monochromacy



Original Color

51.0413, 42.1667, 10.0062

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.2383, 39.4581, 26.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0413, 42.1667, 10.0062 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(250, 149, 62)` looks like.

```
.text, #text, p{  
    color:rgb(250, 149, 62)  
}
```

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(250, 149, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 149, 62) }
```

Border

The CSS property to change the border of an element to XYZ 51.0413, 42.1667, 10.0062 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(250, 149, 62) }
```


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

```
.border{ border-color:rgb(250, 149, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 149, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 149, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 149, 62);  
box-shadow:4px 4px 4px 4px rgb(250, 149,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0413, 42.1667, 10.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 149, 62) }
```

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

```
.background{ background-color: rgb(250,  
149, 62) }
```

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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