

Converting Colors

XYZ(50.4200, 41.1272, 10.9111)

Have a look what the booklet for
XYZ(50.4200, 41.1272, 10.9111)
contains.

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Color

**XYZ(50.4200, 41.1272,
10.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	F99245
RGB	249, 146, 69
RGB Percent	98%, 57%, 27%
CMY	0.0235, 0.4274, 0.7294
CMYK	0.00, 0.41, 0.72, 0.02
HSL	26°, 94%, 62%
HSV	26°, 72%, 98%
XYZ	50.4200, 41.1272, 10.9111
YIQ	168.0190, 86.1050, -2.1110

Conversions

Conversions Part 2

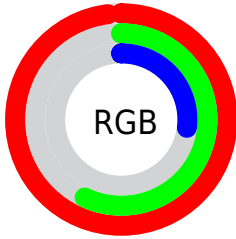
Format	Color
R _Y B	249, 204, 69
Decimal	16355909
CIE Lab	70.26, 32.92, 55.84
CIE LCh	70, 64.820, 59.475
Yxy	41.1272, 0.4921, 0.4014
Android (android.graphics.Color)	4294545989 (0xFFFF99245)
YUV	168.0190, -48.8164, 71.0203
Hunter-Lab	64.1305, 28.1100, 34.8038

Details

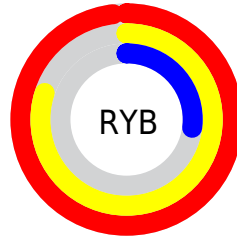
The XYZ color **50.4200, 41.1272, 10.9111** is a light color, and the websafe version is hex **FF9933**, and the color name is **royal orange**. The color can be described as light washed orange. A complement of this color would be **34.3045, 37.6075, 95.0729**, and the grayscale version is **37.4325, 39.3819, 42.8869**.

A 20% lighter version of the original color is **65.5778, 64.4138, 27.0659**, and **24.5755, 18.6019, 2.7107** is the 20% darker color. If you saturate the color by 10%, you get **47.7420, 36.7597, 6.9720**, and if you desaturate by 10%, it is **53.6977, 46.1760, 16.6493**.

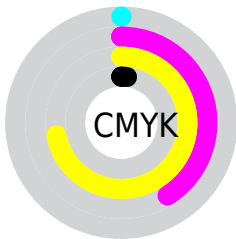
Distribution



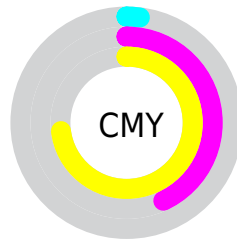
- Red (98%)
- Green (57%)
- Blue (27%)



- Red (98%)
- Yellow (80%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (72%)
- Black (2%)





- Cyan (2%)
- Magenta (43%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4200, 41.1272, 10.9111 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 50.4200, 41.1272, 10.9111 by changing the saturation by 10% instead.


 50.4200, 41.1272,
10.9111

 50.4200, 41.1272,
10.9111


378.7310,
350.8520, 207.7721


 35.9664, 28.4185,
5.8937

 89.9850, 76.8770,
28.1298


 24.5782, 18.6414,
2.7128


 115.8270,
100.6868, 41.1681


 15.8902, 11.4114,
0.9499


 146.1960,
128.9658, 57.7172

 9.5368, 6.3443,
0.0000

 181.4571,
162.0983, 78.1955

 5.1528, 3.0555,
0.0000

 221.9758,
200.4688, 103.0216

 2.3729, 1.1608,
0.0000

268.1175,

 0.8316, 0.0293,

244.4617, 132.6141

0.0000

320.2474,
294.4612, 167.3914

■ 0.0000, 0.0000,
0.0000

■ 50.4200, 41.1272,
10.9111

■ 50.4200, 41.1272,
10.9111

■ 47.7420, 36.7597,
6.9720

■ 53.6977, 46.1760,
16.6493

■ 45.6071, 33.0297,
4.5968


■ 57.6178, 51.9333,
24.3778


■ 44.2750, 30.5563,
3.5644


■ 62.2217, 58.4317,
34.2652

■ 67.5460, 65.6997,
46.4617

■ 73.6243, 73.7641,
61.1035

 80.4879, 82.6501,
78.3165

 88.1664, 92.3819,
98.2176

 92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



59.7249, 41.1272, 21.7084



50.4200, 41.1272, 10.9111



39.2777, 41.1272, 8.0427

Triad

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



50.4200, 41.1272, 10.9111



22.0042, 41.1272, 44.2464



50.0366, 41.1272, 117.5343

Complementary

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



50.4200, 41.1272, 10.9111



34.3045, 37.6075, 95.0729

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.



38.9032, 41.1272, 132.5457



50.4200, 41.1272, 10.9111



23.8573, 41.1272, 80.2079

Square

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



50.4200, 41.1272, 10.9111



23.9923, 41.1272, 21.1402



29.5991, 41.1272, 116.5168



59.4769, 41.1272, 81.5858

Rectangle

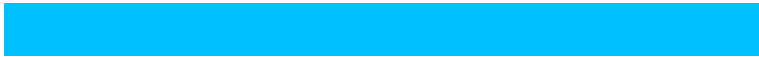
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.4200, 41.1272, 10.9111



32.6629, 41.1272, 9.1560



29.5991, 41.1272, 116.5168



46.3097, 41.1272, 125.7644

Sweetspot

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



50.4209, 41.1294, 10.9118



77.8983, 78.1010, 64.9413



48.8349, 27.4521, 42.7695



16.2820, 16.2027, 12.9415



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.



50.4209, 41.1294, 10.9118



49.2437, 36.8248, 5.9624



69.5636, 79.4147, 17.2927



17.8552, 18.4462, 18.0818



23.8342, 16.6251, 1.9528



2.3102, 1.7453, 0.2151

Inverse Universe

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



34.3045, 37.6075, 95.0729



31.2683, 32.7185, 99.2750



22.7236, 14.4457, 91.2126



17.1076, 18.2921, 22.0143



14.5123, 14.3802, 49.9843



1.4493, 1.5422, 4.6645

Previews

White Background



This preview shows how the XYZ color 50.4200, 41.1272, 10.9111 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 50.4200, 41.1272, 10.9111 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 50.4200, 41.1272, 10.9111

Background



This preview shows how black text looks on a background with the XYZ color 50.4200, 41.1272, 10.9111.



This preview shows how white text looks on a background with the XYZ color 50.4200, 41.1272,

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

50.4200, 41.1272, 10.9111

Protanopia

37.5779, 41.1172, 12.9770

Deuteranopia

42.2252, 41.3682, 10.6098



Tritanopia

54.7201, 40.8806, 32.6104

Trichromacy



Original Color

50.4200, 41.1272, 10.9111

Protanomaly

41.4846, 40.6858, 12.1452

Deuteranomaly

44.7189, 40.8382, 10.6799

Tritanomaly

52.8527, 40.7835, 22.5391

Monochromacy



Original Color

50.4200, 41.1272, 10.9111

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.7616, 38.6779, 27.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4200, 41.1272, 10.9111 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(249, 146, 69)` looks like.

```
.text, #text, p{  
    color:rgb(249, 146, 69)  
}
```

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(249, 146, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 146, 69) }
```

Border

The CSS property to change the border of an element to XYZ 50.4200, 41.1272, 10.9111 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(249, 146, 69) }
```


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

```
.border{ border-color:rgb(249, 146, 69) }
```

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

Here you see how a box with a 4 pixel rgb(249, 146, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 146, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 146, 69);  
box-shadow:4px 4px 4px 4px rgb(249, 146,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4200, 41.1272, 10.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 146, 69) }
```

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

```
.background{ background-color: rgb(249,  
146, 69) }
```

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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