

Converting Colors

XYZ(51.2587, 42.3179, 9.0713)

Have a look what the booklet for
XYZ(51.2587, 42.3179, 9.0713)
contains.

XYZ(51.2207, 42.2800, 9.0757)	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(51.2207, 42.2800,
9.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	FB9537
RGB	251, 149, 55
RGB Percent	98%, 58%, 22%
CMY	0.0157, 0.4157, 0.7843
CMYK	0.00, 0.41, 0.78, 0.02
HSL	29°, 96%, 60%
HSV	29°, 78%, 98%
XYZ	51.2207, 42.2800, 9.0757
YIQ	168.7820, 90.9660, -7.6100

Conversions

Conversions Part 2

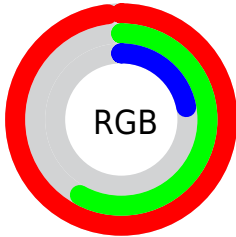
Format	Color
RYB	251, 236, 55
Decimal	16487735
CIELab	71.06, 31.61, 62.74
CIELCh	71, 70.258, 63.260
Yxy	42.2800, 0.4993, 0.4122
Android (android.graphics.Color)	4294677815 (0xFFFB9537)
YUV	168.7820, -56.0945, 72.1052
Hunter-Lab	65.0231, 26.8196, 37.2407

Details

The XYZ color **51.2207, 42.2800, 9.0757** 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 **31.0443, 31.8895, 95.7851**, and the grayscale version is **37.8426, 39.8133, 43.3567**.

A 20% lighter version of the original color is **65.5396, 65.5284, 23.3813**, and **25.0137, 19.2408, 2.3955** is the 20% darker color. If you saturate the color by 10%, you get **48.8130, 38.1955, 6.0216**, and if you desaturate by 10%, it is **54.1676, 46.9547, 13.8177**.

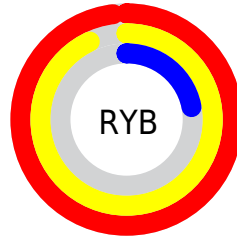
Distribution



Red (98%)

Green (58%)

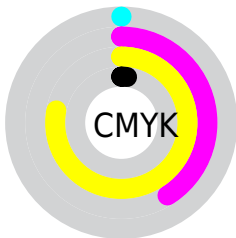
Blue (22%)



Red (98%)

Yellow (93%)

Blue (22%)

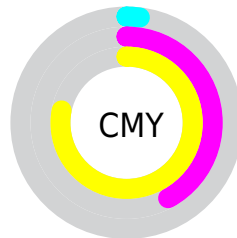


Cyan (0%)

Magenta (41%)

Yellow (78%)

Black (2%)



Cyan (2%)


Magenta (42%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2207, 42.2800, 9.0757 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 51.2207, 42.2800, 9.0757 by changing the saturation by 10% instead.


 51.2207, 42.2800,
9.0757


 51.2207, 42.2800,
9.0757


381.7942,
355.6423, 194.1804

 36.6060, 29.3206,
4.6931


 91.1620, 78.6232,
24.6219

 25.0749, 19.3235,
2.0128


 117.2193,
102.7758, 36.6225


 16.2619, 11.9043,
0.5631


 147.8215,
131.4283, 51.9996

 9.8017, 6.6785,
0.0000

 183.3341,
164.9650, 71.1717

 5.3289, 3.2619,
0.0000

 224.1223,
203.7704, 94.5572

 2.4782, 1.2699,
0.0000

 270.5514,

 0.8843, 0.1177,

248.2288, 122.5749

0.0000

322.9870,
298.7247, 155.6431

■ 0.0000, 0.0000,
0.0000

■ 51.2207, 42.2800,
9.0757

■ 51.2207, 42.2800,
9.0757

■ 48.8130, 38.1955,
6.0216

■ 54.1676, 46.9547,
13.8177

■ 46.8783, 34.6569,
4.3566

■ 57.6990, 52.2439,
20.4624

■ 46.5462, 34.0348,
4.1161

■ 61.8572, 58.1774,
29.1951

■ 66.6794, 64.7806,
40.1776

■ 72.1992, 72.0774,
53.5562

78.4477, 80.0901,
69.4642

85.4542, 88.8398,
88.0253

93.1163, 98.2950,
108.6728

93.5933, 99.2491,
108.8318

Harmonies

Analogous

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



62.1679, 42.2800, 18.9057



51.2207, 42.2800, 9.0757



38.9158, 42.2800, 6.9594

Triad

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



51.2207, 42.2800, 9.0757



21.6013, 42.2800, 49.8107



53.8791, 42.2800, 124.0014

Complementary

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



51.2207, 42.2800, 9.0757



31.0443, 31.8895, 95.7851

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.



41.4832, 42.2800, 145.4257



51.2207, 42.2800, 9.0757



24.1130, 42.2800, 91.3664

Square

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



51.2207, 42.2800, 9.0757



23.2113, 42.2800, 22.6465



30.8619, 42.2800, 131.2554



63.9008, 42.2800, 81.6747

Rectangle

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



51.2207, 42.2800, 9.0757



31.9153, 42.2800, 8.5254



30.8619, 42.2800, 131.2554



49.7744, 42.2800, 134.6188

Sweetspot

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



51.2217, 42.2822, 9.0765



78.0285, 78.8311, 63.5371



47.4542, 25.7636, 35.5163



16.2105, 16.2405, 12.3598



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.



51.2217, 42.2822, 9.0765



49.3464, 37.3314, 5.0681



72.9641, 85.7670, 16.3239



17.9315, 18.5988, 18.1072



24.6108, 18.1783, 2.2116



2.3849, 1.8946, 0.2400

Inverse Universe

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



31.0443, 31.8895, 95.7851



27.6350, 26.0903, 98.1871



20.6857, 11.1724, 92.3323



17.0303, 18.1375, 21.9886



13.5387, 12.4330, 49.6598



1.3601, 1.3639, 4.6347

Previews

White Background



This preview shows how the XYZ color 51.2207, 42.2800, 9.0757 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 51.2207, 42.2800, 9.0757 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 51.2207, 42.2800, 9.0757

Background



This preview shows how black text looks on a background with the XYZ color 51.2207, 42.2800, 9.0757.



This preview shows how white text looks on a background with the XYZ color 51.2207, 42.2800,

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

51.2207, 42.2800, 9.0757

Protanopia

38.7052, 42.6098, 10.7420

Deuteranopia

43.4040, 42.5543, 8.8319



Tritanopia

56.1231, 42.2182, 34.0451

Trichromacy



Original Color

51.2207, 42.2800, 9.0757

Protanomaly

42.4500, 42.0353, 10.0139

Deuteranomaly

46.1233, 42.3696, 8.8791

Tritanomaly

53.7900, 41.9536, 21.4825

Monochromacy



Original Color

51.2207, 42.2800, 9.0757

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.3698, 39.5413, 25.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2207, 42.2800, 9.0757 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(251, 149, 55)` looks like.

```
.text, #text, p{  
    color:rgb(251, 149, 55)  
}
```

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(251, 149, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 149, 55) }
```

Border

The CSS property to change the border of an element to XYZ 51.2207, 42.2800, 9.0757 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(251, 149, 55) }
```


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

```
.border{ border-color:rgb(251, 149, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 149, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 149, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 149, 55);  
box-shadow:4px 4px 4px 4px rgb(251, 149,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2207, 42.2800, 9.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 149, 55) }
```

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

```
.background{ background-color: rgb(251,  
149, 55) }
```

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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