

Converting Colors

XYZ(51.9980, 42.2031, 7.2821)

Have a look what the booklet for
XYZ(51.9980, 42.2031, 7.2821)
contains.

XYZ(52.0399, 42.2739, 7.3363)	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(52.0399, 42.2739,
7.3363)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9327
RGB	255, 147, 39
RGB Percent	100%, 58%, 15%
CMY	0.0000, 0.4235, 0.8470
CMYK	0.00, 0.42, 0.85, 0.00
HSL	30°, 100%, 58%
HSV	30°, 85%, 100%
XYZ	52.0399, 42.2739, 7.3363
YIQ	166.9800, 99.0360, -10.6920

Conversions

Conversions Part 2

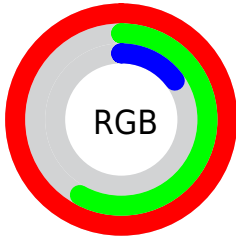
Format	Color
RYB	255, 255, 39
Decimal	16749351
CIELab	71.06, 33.79, 68.72
CIELCh	71, 76.576, 63.818
Yxy	42.2739, 0.5120, 0.4159
Android (android.graphics.Color)	4294939431 (0xFFFF9327)
YUV	166.9800, -63.0941, 77.1935
Hunter-Lab	65.0184, 29.0870, 38.8229

Details

The XYZ color **52.0399, 42.2739, 7.3363** 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 **29.3197, 28.5174, 98.5661**, and the grayscale version is **36.9861, 38.9123, 42.3755**.

A 20% lighter version of the original color is **64.4261, 64.3273, 19.8473**, and **25.8304, 19.3909, 2.3814** is the 20% darker color. If you saturate the color by 10%, you get **49.8765, 38.4119, 5.1835**, and if you desaturate by 10%, it is **54.7082, 46.6931, 11.0552**.

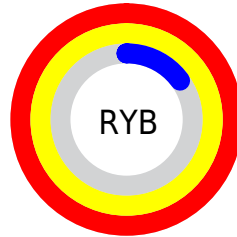
Distribution



Red (100%)

Green (58%)

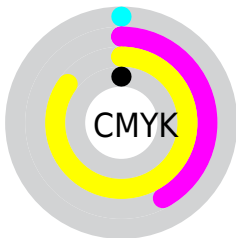
Blue (15%)



Red (100%)

Yellow (100%)

Blue (15%)

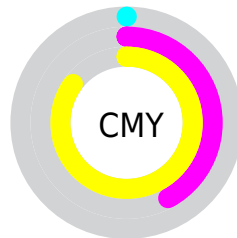


Cyan (0%)

Magenta (42%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0399, 42.2739, 7.3363 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 52.0399, 42.2739, 7.3363 by changing the saturation by 10% instead.


 52.0399, 42.2739,
7.3363


 52.0399, 42.2739,
7.3363


384.9121,
355.6171, 180.1652


 37.2613, 29.3158,
3.5917


 92.3640, 78.6140,
21.1709

 25.5845, 19.3199,
1.4041


 118.6401,
102.7648, 32.0980

 16.6441, 11.9016,
0.1449


 149.4795,
131.4153, 46.2563

 10.0748, 6.6767,
0.0000

 185.2474,
164.9499, 64.0644

 5.5112, 3.2608,
0.0000

 226.3093,
203.7530, 85.9407

 2.5880, 1.2693,
0.0000

 273.0305,

 0.9399, 0.1173,

248.2089, 112.3040

0.0000

325.7763,
298.7022, 143.5726

■ 0.0000, 0.0000,
0.0000

■ 52.0399, 42.2739,
7.3363

■ 52.0399, 42.2739,
7.3363

■ 49.8765, 38.4119,
5.1835

■ 54.7082, 46.6931,
11.0552

■ 48.8947, 36.5698,
4.4816

■ 57.9343, 51.6961,
16.5986

■ 61.7657, 57.3141,
24.1793

■ 66.2428, 63.5733,
33.9802

■ 71.4020, 70.4978,
46.1631

77.2767, 78.1103,
60.8750

83.8978, 86.4321,
78.2505

91.2939, 95.4834,
98.4150

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



64.2768, 42.2739, 16.9005



52.0399, 42.2739, 7.3363



38.5644, 42.2739, 5.4476

Triad

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



52.0399, 42.2739, 7.3363



20.2949, 42.2739, 50.8807



55.4837, 42.2739, 132.8685

Complementary

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



52.0399, 42.2739, 7.3363



29.3197, 28.5174, 98.5661

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.



41.8402, 42.2739, 158.1697



52.0399, 42.2739, 7.3363



23.0128, 42.2739, 97.4219

Square

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



52.0399, 42.2739, 7.3363



21.9016, 42.2739, 21.4178



30.2747, 42.2739, 142.6063



66.5431, 42.2739, 84.6337

Rectangle

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



52.0399, 42.2739, 7.3363



31.0428, 42.2739, 6.9810



30.2747, 42.2739, 142.6063



50.9544, 42.2739, 145.2333

Sweetspot

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



52.0408, 42.2761, 7.3371



77.0931, 77.8757, 60.4029



47.2319, 24.8178, 29.9053



16.0431, 16.0806, 11.7646



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.



52.0408, 42.2761, 7.3371



48.8950, 36.5701, 4.4817



77.3656, 92.9258, 15.7787



18.7598, 19.4878, 18.9171



25.6980, 19.4073, 2.3915



2.6113, 2.1080, 0.2693

Inverse Universe

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



29.3197, 28.5174, 98.5661



25.7032, 22.5263, 97.6011



19.6123, 9.1026, 95.3303



17.7534, 18.8783, 22.9581



13.5798, 12.0691, 51.0484



1.4314, 1.3935, 5.0068

Previews

White Background



This preview shows how the XYZ color 52.0399, 42.2739, 7.3363 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 52.0399, 42.2739, 7.3363 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 52.0399, 42.2739, 7.3363

Background



This preview shows how black text looks on a background with the XYZ color 52.0399, 42.2739, 7.3363.



This preview shows how white text looks on a background with the XYZ color 52.0399, 42.2739,

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

52.0399, 42.2739, 7.3363

Protanopia

38.5881, 42.5930, 8.7722

Deuteranopia

43.1921, 42.2146, 7.0342



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

52.0399, 42.2739, 7.3363

Protanomaly

42.5065, 41.8364, 8.1204

Deuteranomaly

46.1056, 41.8872, 7.0938

Tritanomaly

53.8228, 42.0090, 19.7398

Monochromacy



Original Color

52.0399, 42.2739, 7.3363

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.5142, 38.6398, 23.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0399, 42.2739, 7.3363 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, 147, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 39)  
}
```

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, 147, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 39) }
```

Border

The CSS property to change the border of an element to XYZ 52.0399, 42.2739, 7.3363 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, 147, 39) }
```


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

```
.border{ border-color:rgb(255, 147, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0399, 42.2739, 7.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 39) }
```

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

```
.background{ background-color: rgb(255,  
147, 39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor