

Converting Colors

XYZ(50.8002, 42.6796, 6.1045)

Have a look what the booklet for
XYZ(50.8002, 42.6796, 6.1045)
contains.

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Color

**XYZ(50.5921, 42.4977,
6.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	FA9711
RGB	250, 151, 17
RGB Percent	98%, 59%, 7%
CMY	0.0196, 0.4078, 0.9333
CMYK	0.00, 0.40, 0.93, 0.02
HSL	35°, 96%, 52%
HSV	35°, 93%, 98%
XYZ	50.5921, 42.4977, 6.0667
YIQ	165.3250, 102.0180, -20.6860

Conversions

Conversions Part 2

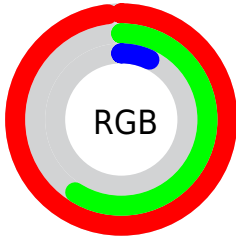
Format	Color
RYB	189, 250, 17
Decimal	16422673
CIELab	71.21, 29.30, 73.98
CIELCh	71, 79.568, 68.395
Yxy	42.4977, 0.5102, 0.4286
Android (android.graphics.Color)	4294612753 (0xFFFA9711)
YUV	165.3250, -73.1242, 74.2600
Hunter-Lab	65.1903, 24.4453, 40.1156

Details

The XYZ color **50.5921, 42.4977, 6.0667** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **23.7320, 19.5123, 92.9571**, and the grayscale version is **36.2282, 38.1149, 41.5071**.

A 20% lighter version of the original color is **64.8343, 66.0118, 17.3071**, and **25.0507, 19.6791, 2.4781** is the 20% darker color. If you saturate the color by 10%, you get **49.3640, 40.2039, 5.1584**, and if you desaturate by 10%, it is **52.6972, 46.2013, 8.3317**.

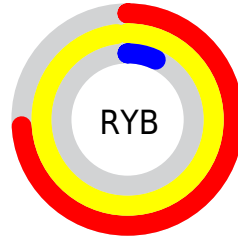
Distribution



Red (98%)

Green (59%)

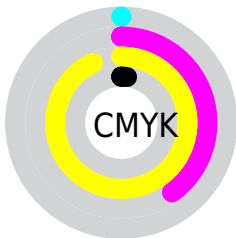
Blue (7%)



Red (74%)

Yellow (98%)

Blue (7%)

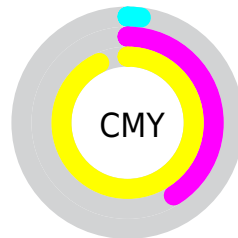


Cyan (0%)

Magenta (40%)

Yellow (93%)

Black (2%)



Cyan (2%)


Magenta (41%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5921, 42.4977, 6.0667 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 50.5921, 42.4977, 6.0667 by changing the saturation by 10% instead.


 50.5921, 42.4977,
6.0667


 50.5921, 42.4977,
6.0667


379.3907,
356.5420, 168.9917


 36.1038, 29.4912,
2.8162


 90.2381, 78.9523,
18.5492


 24.6849, 19.4527,
1.0016


 116.1266,
103.1692, 28.6184


 15.9699, 11.9979,
0.0000


 146.5458,
131.8917, 41.7975

 9.5936, 6.7422,
0.0000

 181.8611,
165.5042, 58.5052

 5.1905, 3.3014,
0.0000

 222.4379,
204.3911, 79.1599

 2.3954, 1.2910,
0.0000

 268.6416,

 0.8428, 0.1343,

248.9368, 104.1801

0.0000

320.8374,
299.5256, 133.9846

■ 0.0000, 0.0000,
0.0000

■ 50.5921, 42.4977,
6.0667

■ 50.5921, 42.4977,
6.0667

■ 49.3640, 40.2039,
5.1584

■ 52.6972, 46.2013,
8.3317

■ 55.2377, 50.3299,
12.1150

■ 58.2634, 54.9113,
17.6554

■ 61.8149, 59.9675,
25.1493

■ 65.9277, 65.5183,
34.7662

70.6338, 71.5820,
46.6574

75.9621, 78.1754,
60.9600

81.9398, 85.3147,
77.8002

88.5921, 93.0147,
97.2955

Harmonies

Analogous

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



64.0145, 42.4977, 14.0013



50.5921, 42.4977, 6.0667



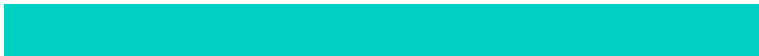
36.7626, 42.4977, 5.0065

Triad

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



50.5921, 42.4977, 6.0667



19.9609, 42.4977, 57.8473



58.5090, 42.4977, 131.0224

Complementary

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



50.5921, 42.4977, 6.0667



23.7320, 19.5123, 92.9571

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.



44.2544, 42.4977, 163.6237



50.5921, 42.4977, 6.0667



23.4407, 42.4977, 108.5325

Square

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



50.5921, 42.4977, 6.0667



20.9307, 42.4977, 24.1531



31.6656, 42.4977, 153.6809



69.2409, 42.4977, 78.9323

Rectangle

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



50.5921, 42.4977, 6.0667



29.3819, 42.4977, 7.0660



31.6656, 42.4977, 153.6809



53.8592, 42.4977, 145.6403

Sweetspot

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



50.5930, 42.4999, 6.0675



76.6843, 78.3728, 56.2136



42.8929, 22.0323, 19.1226



15.9105, 16.1477, 10.6966



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.



50.5930, 42.4999, 6.0675



51.6204, 42.0209, 5.3901



68.3715, 85.9825, 13.5234



18.0736, 18.8830, 18.1546



26.3301, 21.6169, 2.7847



2.5437, 2.2122, 0.2929

Inverse Universe

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



23.7320, 19.5123, 92.9571



23.4488, 18.0177, 96.8496



18.0684, 7.6191, 90.9600



16.8893, 17.8554, 21.9416



12.0342, 9.4239, 49.1583



1.2172, 1.0780, 4.5871

Previews

White Background



This preview shows how the XYZ color 50.5921, 42.4977, 6.0667 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 50.5921, 42.4977, 6.0667 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 50.5921, 42.4977, 6.0667

Background



This preview shows how black text looks on a background with the XYZ color 50.5921, 42.4977, 6.0667.



This preview shows how white text looks on a background with the XYZ color 50.5921, 42.4977,

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

50.5921, 42.4977, 6.0667

Protanopia

38.5314, 42.6004, 7.1116

Deuteranopia

43.4550, 42.6446, 5.9409



Tritanopia

56.3508, 42.5441, 34.5200

Trichromacy



Original Color

50.5921, 42.4977, 6.0667

Protanomaly

42.0999, 41.9293, 6.6333

Deuteranomaly

46.0565, 42.6587, 5.9788

Tritanomaly

53.0317, 42.0928, 17.9000

Monochromacy



Original Color

50.5921, 42.4977, 6.0667

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.2050, 38.0251, 20.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5921, 42.4977, 6.0667 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, 151, 17)` looks like.

```
.text, #text, p{  
    color:rgb(250, 151, 17)  
}
```

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, 151, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 151, 17) }
```

Border

The CSS property to change the border of an element to XYZ 50.5921, 42.4977, 6.0667 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, 151, 17) }
```


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

```
.border{ border-color:rgb(250, 151, 17) }
```

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

Here you see how a box with a 4 pixel rgb(250, 151, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 151, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 151, 17);  
box-shadow:4px 4px 4px 4px rgb(250, 151,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5921, 42.4977, 6.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 151, 17) }
```

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

```
.background{ background-color: rgb(250,  
151, 17) }
```

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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