

Converting Colors

XYZ(50.7830, 40.0821, 5.9242)

Have a look what the booklet for
XYZ(50.7830, 40.0821, 5.9242)
contains.

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Color

**XYZ(50.7830, 40.0821,
5.9242)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C18
RGB	255, 140, 24
RGB Percent	100%, 55%, 9%
CMY	0.0000, 0.4510, 0.9059
CMYK	0.00, 0.45, 0.91, 0.00
HSL	30°, 100%, 55%
HSV	30°, 91%, 100%
XYZ	50.7830, 40.0821, 5.9242
YIQ	161.1610, 105.7760, -11.6960

Conversions

Conversions Part 2

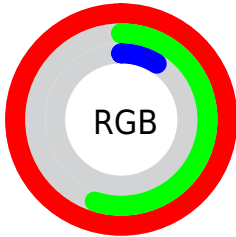
Format	Color
R _Y B	253, 255, 24
Decimal	16747544
CIE Lab	69.53, 37.07, 71.68
CIE LCh	70, 80.694, 62.654
Yxy	40.0821, 0.5247, 0.4141
Android (android.graphics.Color)	4294937624 (0xFFFF8C18)
YUV	161.1610, -67.6204, 82.2968
Hunter-Lab	63.3104, 32.3864, 38.7693

Details

The XYZ color **50.7830, 40.0821, 5.9242** 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 **27.6590, 25.8787, 98.1445**, and the grayscale version is **34.2229, 36.0052, 39.2096**.

A 20% lighter version of the original color is **62.3553, 60.9303, 16.8617**, and **24.9756, 18.0558, 2.1688** is the 20% darker color. If you saturate the color by 10%, you get **48.9664, 36.7132, 4.5055**, and if you desaturate by 10%, it is **53.1474, 44.1709, 8.6867**.

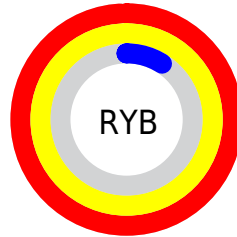
Distribution



Red (100%)

Green (55%)

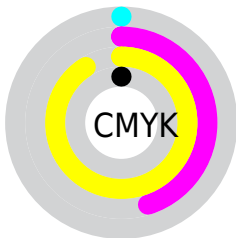
Blue (9%)



Red (99%)

Yellow (100%)

Blue (9%)

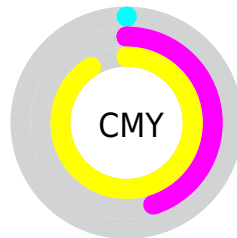


Cyan (0%)

Magenta (45%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7830, 40.0821, 5.9242 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 50.7830, 40.0821, 5.9242 by changing the saturation by 10% instead.


 50.7830, 40.0821,
5.9242


 50.7830, 40.0821,
5.9242


380.1217,
346.4695, 167.6753

 36.2563, 27.6026,
2.7310


 90.5188, 75.2885,
18.2483


 24.8032, 18.0263,
0.9590


 116.4587, 98.7842,
28.2163


 16.0585, 10.9689,
0.0000


 146.9336,
126.7207, 41.2796

 9.6566, 6.0459,
0.0000

 182.3089,
159.4824, 57.8568

 5.2324, 2.8730,
0.0000

 222.9500,
197.4538, 78.3665

 2.4204, 1.0658,
0.0000

 269.2223,

 0.8553, 0.0000,

241.0191, 103.2270

0.0000

321.4910,
290.5629, 132.8571

■ 0.0000, 0.0000,
0.0000

■ 50.7830, 40.0821,
5.9242

■ 50.7830, 40.0821,
5.9242

■ 48.9664, 36.7132,
4.5055

■ 53.1474, 44.1709,
8.6867

■ 56.0366, 48.8213,
13.1276

■ 59.5029, 54.0665,
19.4850

■ 63.5898, 59.9341,
27.9574

■ 68.3360, 66.4490,
38.7181

73.7763, 73.6348,
51.9223

79.9429, 81.5132,
67.7115

86.8658, 90.1050,
86.2163

94.5729, 99.4299,
107.5584

Harmonies

Analogous

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



63.2799, 40.0821, 15.2756



50.7830, 40.0821, 5.9242



36.9503, 40.0821, 4.0668

Triad

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



50.7830, 40.0821, 5.9242



18.1727, 40.0821, 47.0446



53.2519, 40.0821, 136.0258

Complementary

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



50.7830, 40.0821, 5.9242



27.6590, 25.8787, 98.1445

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.



39.2669, 40.0821, 161.4631



50.7830, 40.0821, 5.9242



20.6772, 40.0821, 94.8375

Square

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



50.7830, 40.0821, 5.9242



19.9161, 40.0821, 18.3106



27.7217, 40.0821, 143.2273



64.9184, 40.0821, 85.5211

Rectangle

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



50.7830, 40.0821, 5.9242



29.2508, 40.0821, 5.2932



27.7217, 40.0821, 143.2273



48.5675, 40.0821, 148.7724

Sweetspot

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



50.7839, 40.0843, 5.9249



75.9029, 76.3796, 57.2803



46.2635, 23.7922, 26.7731



15.8126, 15.7886, 11.1668



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.



50.7839, 40.0843, 5.9249



48.9667, 36.7134, 4.5056



77.1645, 92.8454, 14.7184



18.7632, 19.4945, 18.9182



25.7356, 19.4824, 2.4041



2.6150, 2.1154, 0.2705

Inverse Universe

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



27.6590, 25.8787, 98.1445



25.6319, 22.3839, 97.5773



18.7535, 8.0677, 95.1760



17.7500, 18.8717, 22.9570



13.5424, 11.9943, 51.0360



1.4277, 1.3862, 5.0056

Previews

White Background



This preview shows how the XYZ color 50.7830, 40.0821, 5.9242 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 50.7830, 40.0821, 5.9242 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 50.7830, 40.0821, 5.9242

Background



This preview shows how black text looks on a background with the XYZ color 50.7830, 40.0821, 5.9242.



This preview shows how white text looks on a background with the XYZ color 50.7830, 40.0821,

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

50.7830, 40.0821, 5.9242

Protanopia

36.5757, 40.4421, 7.3172

Deuteranopia

40.7692, 39.9368, 5.5598



Tritanopia

54.5100, 39.9881, 30.4367

Trichromacy



Original Color

50.7830, 40.0821, 5.9242

Protanomaly

40.8295, 39.6824, 6.7358

Deuteranomaly

44.0737, 39.6252, 5.5839

Tritanomaly

52.2963, 39.7692, 16.7243

Monochromacy



Original Color

50.7830, 40.0821, 5.9242

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.7662, 35.5323, 19.9596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7830, 40.0821, 5.9242 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, 140, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 24)  
}
```

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, 140, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 24) }
```

Border

The CSS property to change the border of an element to XYZ 50.7830, 40.0821, 5.9242 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, 140, 24) }
```


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

```
.border{ border-color:rgb(255, 140, 24) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7830, 40.0821, 5.9242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 24) }
```

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

```
.background{ background-color: rgb(255,  
140, 24) }
```

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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