

Converting Colors

XYZ(52.9986, 44.7324, 5.9874)

Have a look what the booklet for
XYZ(52.9986, 44.7324, 5.9874)
contains.

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Color

**XYZ(52.9887, 44.7136,
5.9814)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9B05
RGB	255, 155, 5
RGB Percent	100%, 61%, 2%
CMY	0.0000, 0.3921, 0.9803
CMYK	0.00, 0.39, 0.98, 0.00
HSL	36°, 100%, 51%
HSV	36°, 98%, 100%
XYZ	52.9887, 44.7136, 5.9814
YIQ	167.8000, 107.7500, -25.4500

Conversions

Conversions Part 2

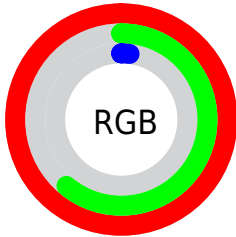
Format	Color
R_{YB}	172, 255, 5
Decimal	16751365
CIE _{Lab}	72.70, 29.17, 76.91
CIE _{LCh}	73, 82.255, 69.226
Yxy	44.7136, 0.5111, 0.4313
Android (android.graphics.Color)	4294941445 (0xFFFF9B05)
YUV	167.8000, -80.2604, 76.4744
Hunter-Lab	66.8682, 24.4302, 41.5042

Details

The XYZ color **52.9887, 44.7136, 5.9814** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.1649, 17.3569, 96.7362**, and the grayscale version is **37.4676, 39.4189, 42.9272**.

A 20% lighter version of the original color is **65.6979, 67.9177, 17.0439**, and **26.3361, 20.7769, 2.6223** is the 20% darker color. If you saturate the color by 10%, you get **52.6311, 44.0427, 5.7271**, and if you desaturate by 10%, it is **54.9731, 48.3413, 7.6965**.

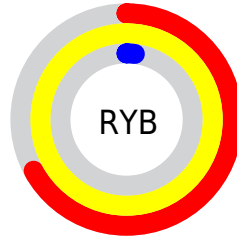
Distribution



Red (100%)

Green (61%)

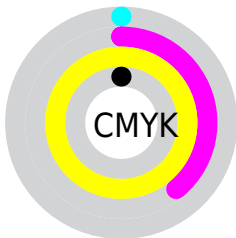
Blue (2%)



Red (67%)

Yellow (100%)

Blue (2%)

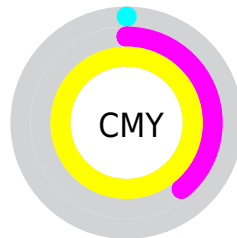


Cyan (0%)

Magenta (39%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9887, 44.7136, 5.9814 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 52.9887, 44.7136, 5.9814 by changing the saturation by 10% instead.


 52.9887, 44.7136,
5.9814

 52.9887, 44.7136,
5.9814


388.5033,
365.6124, 168.2054


 38.0212, 31.2319,
2.7652

 93.7534, 82.2905,
18.3693

 26.1764, 20.7755,
0.9760


 120.2812,
107.1544, 28.3780


 17.0890, 12.9600,
0.0000


 151.3933,
136.5813, 41.4880

 10.3937, 7.4010,
0.0000

 187.4548,
170.9554, 58.1177

 5.7250, 3.7141,
0.0000

 228.8312,
210.6611, 78.6858

 2.7177, 1.5150,
0.0000

 275.8879,

 1.0063, 0.2992,

256.0830, 103.6107

0.0000

328.9902,
307.6053, 133.3111

■ 0.0000, 0.0000,
0.0000

■ 52.9887, 44.7136,
5.9814

■ 52.9887, 44.7136,
5.9814

■ 52.6311, 44.0427,
5.7271

■ 54.9731, 48.3413,
7.6965

■ 57.3631, 52.3641,
10.8273

■ 60.2204, 56.8140,
15.6785

■ 63.5906, 61.7143,
22.4746

■ 67.5127, 67.0855,
31.4056

72.0212, 72.9463,
42.6386

77.1474, 79.3139,
56.3242

82.9202, 86.2042,
72.5999

89.3663, 93.6325,
91.5929

Harmonies

Analogous

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



67.4849, 44.7136, 13.9893



52.9887, 44.7136, 5.9814



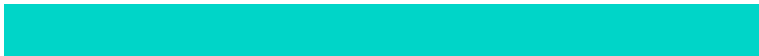
38.2511, 44.7136, 5.0263

Triad

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



52.9887, 44.7136, 5.9814



20.7670, 44.7136, 62.3977



62.3115, 44.7136, 138.4134

Complementary

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



52.9887, 44.7136, 5.9814



23.1649, 17.3569, 96.7362

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.



47.0501, 44.7136, 174.6722



52.9887, 44.7136, 5.9814



24.5952, 44.7136, 117.1739

Square

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



52.9887, 44.7136, 5.9814



21.6658, 44.7136, 25.8006



33.4938, 44.7136, 165.2594



73.6493, 44.7136, 82.2003

Rectangle

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



52.9887, 44.7136, 5.9814



30.4640, 44.7136, 7.2740



33.4938, 44.7136, 165.2594



57.3474, 44.7136, 154.4523

Sweetspot

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



52.9897, 44.7160, 5.9822



76.6247, 78.6763, 54.8905



43.8443, 22.3888, 15.3776



15.9218, 16.2497, 10.4557



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.



52.9897, 44.7160, 5.9822



52.6315, 44.0431, 5.7272



68.4205, 88.3535, 13.5918



18.9160, 19.8001, 18.9692



27.6512, 23.3136, 3.0426



2.7993, 2.4839, 0.3319

Inverse Universe

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



23.1649, 17.3569, 96.7362



22.8012, 16.7224, 96.6337



18.6401, 7.6050, 95.0924



17.5993, 18.5702, 22.9068



12.0504, 9.0105, 50.5387



1.2767, 1.0841, 4.9552

Previews

White Background



This preview shows how the XYZ color 52.9887, 44.7136, 5.9814 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 52.9887, 44.7136, 5.9814 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 52.9887, 44.7136, 5.9814

Background



This preview shows how black text looks on a background with the XYZ color 52.9887, 44.7136, 5.9814.



This preview shows how white text looks on a background with the XYZ color 52.9887, 44.7136,

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

52.9887, 44.7136, 5.9814

Protanopia

40.6035, 44.8473, 7.1782

Deuteranopia

45.7388, 44.9182, 6.2594



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

52.9887, 44.7136, 5.9814

Protanomaly

44.2797, 44.1561, 6.6411

Deuteranomaly

48.3911, 44.9192, 6.1772

Tritanomaly

54.5446, 44.0320, 18.1946

Monochromacy



Original Color

52.9887, 44.7136, 5.9814

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.6769, 39.5779, 20.0161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9887, 44.7136, 5.9814 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, 155, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 5)  
}
```

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, 155, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 5) }
```

Border

The CSS property to change the border of an element to XYZ 52.9887, 44.7136, 5.9814 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, 155, 5) }
```


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

```
.border{ border-color:rgb(255, 155, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 155, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9887, 44.7136, 5.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 5) }
```

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

```
.background{ background-color: rgb(255,  
155, 5) }
```

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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