

Converting Colors

XYZ(52.9766, 44.5766, 6.3252)

Have a look what the booklet for
XYZ(52.9766, 44.5766, 6.3252)
contains.

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Color

**XYZ(53.0625, 44.7432,
6.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9B11
RGB	255, 155, 17
RGB Percent	100%, 61%, 7%
CMY	0.0000, 0.3921, 0.9333
CMYK	0.00, 0.39, 0.93, 0.00
HSL	35°, 100%, 53%
HSV	35°, 93%, 100%
XYZ	53.0625, 44.7432, 6.3699
YIQ	169.1680, 103.8980, -21.7180

Conversions

Conversions Part 2

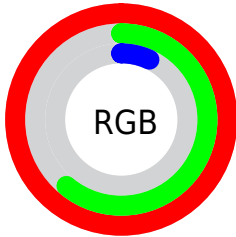
Format	Color
RYB	189, 255, 17
Decimal	16751377
CIELab	72.72, 29.28, 75.33
CIELCh	73, 80.820, 68.759
Yxy	44.7432, 0.5094, 0.4295
Android (android.graphics.Color)	4294941457 (0xFFFF9B11)
YUV	169.1680, -75.0188, 75.2747
Hunter-Lab	66.8904, 24.5416, 41.1771

Details

The XYZ color **53.0625, 44.7432, 6.3699** 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 **24.6425, 20.0620, 97.1804**, and the grayscale version is **38.1210, 40.1062, 43.6757**.

A 20% lighter version of the original color is **65.8479, 67.9777, 17.8341**, and **26.5885, 20.9070, 2.6341** is the 20% darker color. If you saturate the color by 10%, you get **51.8077, 42.3961, 5.4527**, and if you desaturate by 10%, it is **55.2523, 48.6019, 8.7076**.

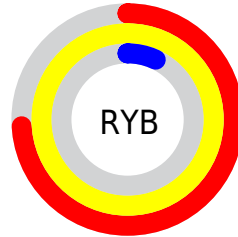
Distribution



Red (100%)

Green (61%)

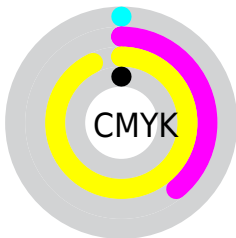
Blue (7%)



Red (74%)

Yellow (100%)

Blue (7%)

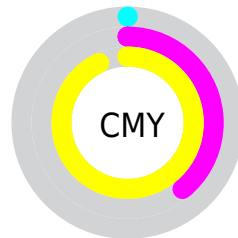


Cyan (0%)

Magenta (39%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0625, 44.7432, 6.3699 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 53.0625, 44.7432, 6.3699 by changing the saturation by 10% instead.


 53.0625, 44.7432,
6.3699

 53.0625, 44.7432,
6.3699


388.7818,
365.7325, 171.7475


 38.0803, 31.2552,
2.9989


 93.8613, 82.3349,
19.1847

 26.2225, 20.7933,
1.0941

 120.4087,
107.2074, 29.4656

 17.1238, 12.9730,
0.0000


 151.5418,
136.6436, 42.8869

 10.4186, 7.4099,
0.0000

 187.6261,
171.0277, 59.8670

 5.7418, 3.7198,
0.0000

 229.0269,
210.7443, 80.8246

 2.7279, 1.5181,
0.0000

 276.1096,

 1.0115, 0.3014,

256.1777, 106.1782

0.0000

329.2394,
307.7123, 136.3463

■ 0.0000, 0.0000,
0.0000

■ 53.0625, 44.7432,
6.3699

■ 53.0625, 44.7432,
6.3699

■ 51.8077, 42.3961,
5.4527

■ 55.2523, 48.6019,
8.7076

■ 57.8941, 52.8989,
12.6295

■ 61.0400, 57.6631,
18.3875

■ 64.7327, 62.9174,
26.1881

■ 69.0094, 68.6825,
36.2098

■ 73.9035, 74.9771,
48.6115

■ 79.4456, 81.8189,
63.5373

■ 85.6638, 89.2245,
81.1198

■ 92.5846, 97.2093,
101.4822

Harmonies

Analogous

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



67.2074, 44.7432, 14.6025



53.0625, 44.7432, 6.3699



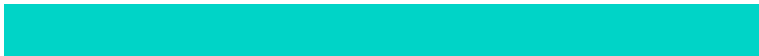
38.5521, 44.7432, 5.3148

Triad

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



53.0625, 44.7432, 6.3699



21.0575, 44.7432, 61.4475



61.7385, 44.7432, 137.1468

Complementary

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



53.0625, 44.7432, 6.3699



24.6425, 20.0620, 97.1804

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.



46.7663, 44.7432, 171.8242



53.0625, 44.7432, 6.3699



24.7765, 44.7432, 114.8126

Square

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



53.0625, 44.7432, 6.3699



22.0215, 44.7432, 25.7551



33.4875, 44.7432, 161.9509



72.9331, 44.7432, 82.3905

Rectangle

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



53.0625, 44.7432, 6.3699



30.8291, 44.7432, 7.5369



33.4875, 44.7432, 161.9509



56.8630, 44.7432, 152.6064

Sweetspot

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



53.0635, 44.7456, 6.3707



76.7754, 78.5551, 56.2440



44.8388, 23.0204, 19.8934



15.9324, 16.1915, 10.7039



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.



53.0635, 44.7456, 6.3707



51.8082, 42.3965, 5.4527



71.5024, 89.9337, 14.1211



18.8843, 19.7368, 18.9586



27.2219, 22.4551, 2.8995



2.7586, 2.4026, 0.3184

Inverse Universe

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



24.6425, 20.0620, 97.1804



23.3221, 17.7642, 96.8074



18.8736, 7.9424, 95.1451



17.6302, 18.6320, 22.9171



12.3261, 9.5619, 50.6305



1.3053, 1.1413, 4.9648

Previews

White Background



This preview shows how the XYZ color 53.0625, 44.7432, 6.3699 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 53.0625, 44.7432, 6.3699 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 53.0625, 44.7432, 6.3699

Background



This preview shows how black text looks on a background with the XYZ color 53.0625, 44.7432, 6.3699.

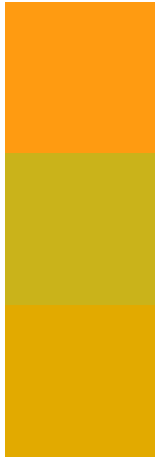


This preview shows how white text looks on a background with the XYZ color 53.0625, 44.7432,

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

53.0625, 44.7432, 6.3699

Protanopia

40.6637, 44.8713, 7.4951

Deuteranopia

45.7388, 44.9182, 6.2594



Tritanopia

57.9157, 44.8741, 37.5074

Trichromacy



Original Color

53.0625, 44.7432, 6.3699

Protanomaly

44.3482, 44.1835, 7.0015

Deuteranomaly

48.4131, 44.9279, 6.2926

Tritanomaly

54.9081, 44.4338, 19.3183

Monochromacy



Original Color

53.0625, 44.7432, 6.3699

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.1321, 40.0452, 21.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0625, 44.7432, 6.3699 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 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(255, 155, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 17) }
```

Border

The CSS property to change the border of an element to XYZ 53.0625, 44.7432, 6.3699 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, 17) }
```


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

```
.border{ border-color:rgb(255, 155, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0625, 44.7432, 6.3699 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, 17) }
```

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

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