

Converting Colors

XYZ(53.6405, 45.9716, 6.3391)

Have a look what the booklet for
XYZ(53.6405, 45.9716, 6.3391)
contains.

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Color

**XYZ(53.6929, 46.0782,
6.3512)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9F0A
RGB	255, 159, 10
RGB Percent	100%, 62%, 4%
CMY	0.0000, 0.3764, 0.9607
CMYK	0.00, 0.38, 0.96, 0.00
HSL	36°, 100%, 52%
HSV	36°, 96%, 100%
XYZ	53.6929, 46.0782, 6.3512
YIQ	170.7180, 105.0450, -25.9870

Conversions

Conversions Part 2

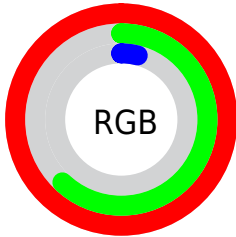
Format	Color
R _Y B	168, 255, 10
Decimal	16752394
CIE Lab	73.60, 27.14, 76.91
CIE LCh	74, 81.560, 70.565
Yxy	46.0782, 0.5060, 0.4342
Android (android.graphics.Color)	4294942474 (0xFFFF9F0A)
YUV	170.7180, -79.2340, 73.9153
Hunter-Lab	67.8809, 22.3995, 41.9692

Details

The XYZ color **53.6929, 46.0782, 6.3512** 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 **23.3298, 17.5938, 96.7732**, and the grayscale version is **38.9172, 40.9440, 44.5880**.

A 20% lighter version of the original color is **66.7718, 69.9472, 17.7665**, and **26.9959, 21.7219, 2.7699** is the 20% darker color. If you saturate the color by 10%, you get **52.9749, 44.7303, 5.8417**, and if you desaturate by 10%, it is **55.7385, 49.7598, 8.2973**.

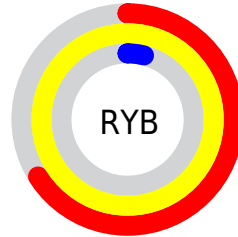
Distribution



Red (100%)

Green (62%)

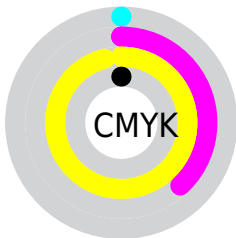
Blue (4%)



Red (66%)

Yellow (100%)

Blue (4%)

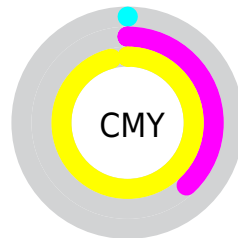


Cyan (0%)

Magenta (38%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6929, 46.0782, 6.3512 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 53.6929, 46.0782, 6.3512 by changing the saturation by 10% instead.


 53.6929, 46.0782,
6.3512


 53.6929, 46.0782,
6.3512


391.1553,
371.1230, 171.5793

 38.5859, 32.3075,
2.9876

 94.7827, 84.3360,
19.1457

 26.6170, 21.5965,
1.0883


 121.4962,
109.5920, 29.4137

 17.4209, 13.5607,
0.0000


 152.8093,
139.4451, 42.8201

 10.6322, 7.8158,
0.0000

 189.0873,
174.2799, 59.7837

 5.8855, 3.9773,
0.0000

 230.6955,
214.4807, 80.7228

 2.8156, 1.6609,
0.0000

 277.9994,

 1.0570, 0.3981,

260.4318, 106.0561

0.0000

331.3642,
312.5178, 136.2021

■ 0.0000, 0.0000,
0.0000

■ 53.6929, 46.0782,
6.3512

■ 53.6929, 46.0782,
6.3512

■ 52.9749, 44.7303,
5.8417

■ 55.7385, 49.7598,
8.2973

■ 58.2005, 53.8333,
11.7402

■ 61.1339, 58.3275,
16.9493

■ 64.5824, 63.2647,
24.1407

■ 68.5839, 68.6646,
33.4994

73.1719, 74.5451,
45.1888

78.3772, 80.9228,
59.3565

84.2278, 87.8133,
76.1377

90.7500, 95.2311,
95.6580

Harmonies

Analogous

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



68.4379, 46.0782, 14.2059



53.6929, 46.0782, 6.3512



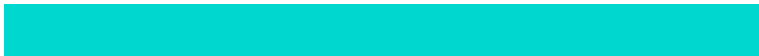
38.9030, 46.0782, 5.5824

Triad

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



53.6929, 46.0782, 6.3512



21.7897, 46.0782, 66.1970



64.4321, 46.0782, 137.9915

Complementary

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



53.6929, 46.0782, 6.3512



23.3298, 17.5938, 96.7732

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.



49.0828, 46.0782, 175.8531



53.6929, 46.0782, 6.3512



25.9177, 46.0782, 121.6234

Square

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



53.6929, 46.0782, 6.3512



22.4946, 46.0782, 28.1023



35.1966, 46.0782, 168.6142



75.5197, 46.0782, 81.5312

Rectangle

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



53.6929, 46.0782, 6.3512



31.1470, 46.0782, 8.1388



35.1966, 46.0782, 168.6142



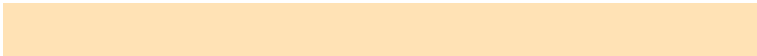
59.4754, 46.0782, 154.4190

Sweetspot

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



53.6939, 46.0806, 6.3520



76.7886, 79.0043, 54.9451



44.0555, 22.5601, 16.2222



15.9611, 16.3282, 10.4687



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.



53.6939, 46.0806, 6.3520



52.9754, 44.7307, 5.8418



68.6085, 88.4472, 13.7435



18.9288, 19.8258, 18.9734



27.8303, 23.6719, 3.1023



2.8162, 2.5177, 0.3375

Inverse Universe

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



23.3298, 17.5938, 96.7732



22.5991, 16.3182, 96.5664



18.8352, 7.7862, 95.1170



17.5868, 18.5452, 22.9026



11.9433, 8.7962, 50.5029



1.2655, 1.0617, 4.9515

Previews

White Background



This preview shows how the XYZ color 53.6929, 46.0782, 6.3512 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 53.6929, 46.0782, 6.3512 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 53.6929, 46.0782, 6.3512

Background



This preview shows how black text looks on a background with the XYZ color 53.6929, 46.0782, 6.3512.



This preview shows how white text looks on a background with the XYZ color 53.6929, 46.0782,

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

53.6929, 46.0782, 6.3512

Protanopia

41.7651, 46.3474, 7.4542

Deuteranopia

47.0656, 46.1631, 6.4297



Tritanopia

58.7396, 45.9664, 39.4947

Trichromacy



Original Color

53.6929, 46.0782, 6.3512

Protanomaly

45.6687, 46.0005, 7.0023

Deuteranomaly

49.1005, 45.8233, 6.3718

Tritanomaly

55.3971, 45.4118, 19.4813

Monochromacy



Original Color

53.6929, 46.0782, 6.3512

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.1005, 41.3638, 21.1470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6929, 46.0782, 6.3512 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, 159, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 10)  
}
```

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, 159, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 10) }
```

Border

The CSS property to change the border of an element to XYZ 53.6929, 46.0782, 6.3512 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, 159, 10) }
```


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

```
.border{ border-color:rgb(255, 159, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6929, 46.0782, 6.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 10) }
```

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

```
.background{ background-color: rgb(255,  
159, 10) }
```

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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