

Converting Colors

XYZ(65.7526, 45.0044, 6.8725)

Have a look what the booklet for
XYZ(65.7526, 45.0044, 6.8725)
contains.

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Color

**XYZ(49.0193, 36.3091,
6.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E24
RGB	255, 126, 36
RGB Percent	100%, 49%, 14%
CMY	0.0000, 0.5058, 0.8588
CMYK	0.00, 0.51, 0.86, 0.00
HSL	25°, 100%, 57%
HSV	25°, 86%, 100%
XYZ	49.0193, 36.3091, 6.0938
YIQ	154.3110, 105.7740, -0.6420

Conversions

Conversions Part 2

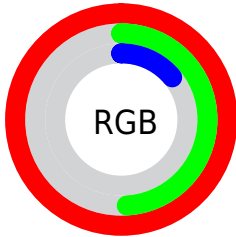
Format	Color
R_{YB}	255, 189, 36
Decimal	16743972
CIE _{Lab}	66.76, 44.27, 66.18
CIE _{LCh}	67, 79.620, 56.222
Yxy	36.3091, 0.5362, 0.3972
Android (android.graphics.Color)	4294934052 (0xFFFF7E24)
YUV	154.3110, -58.3273, 88.3043
Hunter-Lab	60.2570, 39.7605, 36.1839

Details

The XYZ color **49.0193, 36.3091, 6.0938** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **32.2316, 34.5031, 99.5680**, and the grayscale version is **31.0691, 32.6872, 35.5963**.

A 20% lighter version of the original color is **59.6522, 55.0631, 17.3818**, and **23.9346, 15.9739, 1.8218** is the 20% darker color. If you saturate the color by 10%, you get **46.9805, 32.6493, 4.1275**, and if you desaturate by 10%, it is **51.6246, 40.6603, 9.6136**.

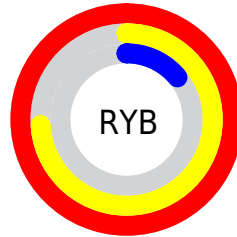
Distribution



Red (100%)

Green (49%)

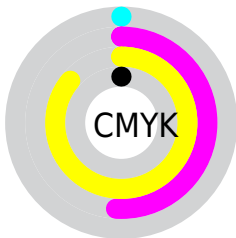
Blue (14%)



Red (100%)

Yellow (74%)

Blue (14%)

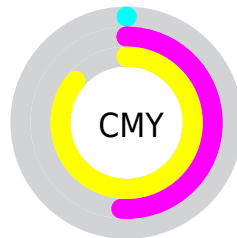


Cyan (0%)

Magenta (51%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0193, 36.3091, 6.0938 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 49.0193, 36.3091, 6.0938 by changing the saturation by 10% instead.


 49.0193, 36.3091,
6.0938


 49.0193, 36.3091,
6.0938


373.3340,
330.3096, 169.2405

 34.8494, 24.6730,
2.8325


 87.9207, 69.5089,
18.6063


 23.7129, 15.8336,
1.0098


 113.3828, 91.8414,
28.6946


 15.2443, 9.4065,
0.0000


 143.3398,
118.5081, 41.8956

 9.0785, 5.0073,
0.0000

 178.1569,
149.8935, 58.6278

 4.8499, 2.2515,
0.0000

 218.1995,
186.3820, 79.3099

 2.1933, 0.7479,
0.0000

 263.8330,

 0.7392, 0.0000,

228.3579, 104.3604

0.0000

315.4227,
276.2056, 134.1977

■ 0.0000, 0.0000,
0.0000

■ 49.0193, 36.3091,
6.0938

■ 49.0193, 36.3091,
6.0938

■ 46.9805, 32.6493,
4.1275

■ 51.6246, 40.6603,
9.6136

■ 46.2711, 31.3227,
3.6071

■ 54.8566, 45.7410,
14.9551

■ 58.7681, 51.5923,
22.3373

■ 63.4046, 58.2495,
31.9473

■ 68.8073, 65.7454,
43.9506

75.0136, 74.1107,
58.4968

82.0585, 83.3743,
75.7233

89.9745, 93.5638,
95.7575

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



59.6700, 36.3091, 16.9089



49.0193, 36.3091, 6.0938



36.0559, 36.3091, 3.4415

Triad

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



49.0193, 36.3091, 6.0938



16.2061, 36.3091, 35.3321



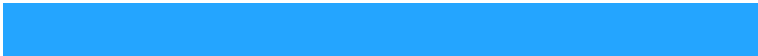
45.7618, 36.3091, 133.5876

Complementary

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



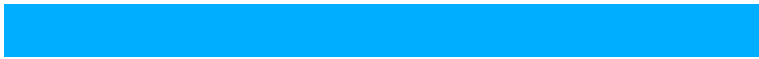
49.0193, 36.3091, 6.0938



32.2316, 34.5031, 99.5680

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.



33.0104, 36.3091, 149.1703



49.0193, 36.3091, 6.0938



17.6537, 36.3091, 76.5806

Square

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



49.0193, 36.3091, 6.0938



18.6456, 36.3091, 12.9735



23.1910, 36.3091, 124.0068



57.5033, 36.3091, 88.9272

Rectangle

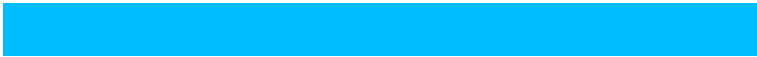
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0193, 36.3091, 6.0938



28.4490, 36.3091, 3.9544



23.1910, 36.3091, 124.0068



41.3775, 36.3091, 143.2136

Sweetspot

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



49.0201, 36.3111, 6.0944



74.9355, 74.0065, 58.3087



48.8828, 25.3266, 39.0659



15.5599, 15.1995, 11.3408



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.



49.0201, 36.3111, 6.0944



46.2715, 31.3230, 3.6072



70.7253, 79.7214, 13.3295



18.6225, 19.2131, 18.8713



24.3161, 16.6435, 1.9309



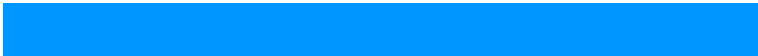
2.4720, 1.8293, 0.2228

Inverse Universe

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



32.2316, 34.5031, 99.5680



28.9879, 29.0958, 98.6960



20.2857, 10.6114, 95.5860



17.8923, 19.1563, 23.0045



15.2975, 15.5045, 51.6210



1.5971, 1.7249, 5.0620

Previews

White Background



This preview shows how the XYZ color 49.0193, 36.3091, 6.0938 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 49.0193, 36.3091, 6.0938 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 49.0193, 36.3091, 6.0938

Background



This preview shows how black text looks on a background with the XYZ color 49.0193, 36.3091, 6.0938.



This preview shows how white text looks on a background with the XYZ color 49.0193, 36.3091,

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

49.0193, 36.3091, 6.0938

Protanopia

33.0993, 36.4511, 7.7739

Deuteranopia

37.1184, 36.2767, 5.6180



Tritanopia

51.8528, 36.2515, 24.6864

Trichromacy



Original Color

49.0193, 36.3091, 6.0938

Protanomaly

37.6188, 35.5352, 7.0667

Deuteranomaly

40.8892, 35.8640, 5.6871

Tritanomaly

50.2651, 36.0053, 15.1269

Monochromacy



Original Color

49.0193, 36.3091, 6.0938

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.3284, 32.1706, 19.4392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0193, 36.3091, 6.0938 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, 126, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 36)  
}
```

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, 126, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 36) }
```

Border

The CSS property to change the border of an element to XYZ 49.0193, 36.3091, 6.0938 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, 126, 36) }
```


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

```
.border{ border-color:rgb(255, 126, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 126, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0193, 36.3091, 6.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 36) }
```

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

```
.background{ background-color: rgb(255,  
126, 36) }
```

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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