

Converting Colors

XYZ(16.4587, 9.8766, 1.0388)

Have a look what the booklet for
XYZ(16.4587, 9.8766, 1.0388)
contains.

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Color

**XYZ(16.4554, 9.8761,
1.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	A52D00
RGB	165, 45, 0
RGB Percent	65%, 18%, 0%
CMY	0.3529, 0.8235, 1.0000
CMYK	0.00, 0.73, 1.00, 0.35
HSL	16°, 100%, 32%
HSV	16°, 100%, 65%
XYZ	16.4554, 9.8761, 1.0390
YIQ	75.7500, 85.9650, 11.4450

Conversions

Conversions Part 2

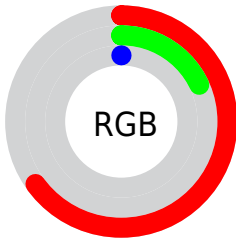
Format	Color
R_{YB}	165, 62, 0
Decimal	10824960
CIE Lab	37.62, 47.56, 50.03
CIE LCh	38, 69.022, 46.450
Yxy	9.8761, 0.6012, 0.3608
Android (android.graphics.Color)	4289015040 (0xFFA52D00)
YUV	75.7500, -37.3447, 78.2722
Hunter-Lab	31.4263, 38.4701, 20.0382

Details

The XYZ color **16.4554, 9.8761, 1.0390** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.5070, 16.1477, 38.0018**, and the grayscale version is **6.8796, 7.2378, 7.8820**.

A 20% lighter version of the original color is **37.0766, 25.6656, 6.2486**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **16.4555, 9.8766, 1.0391**, and if you desaturate by 10%, it is **17.0777, 10.9652, 1.7265**.

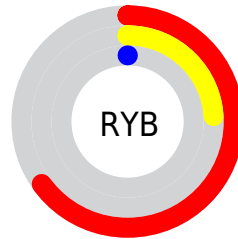
Distribution



Red (65%)

Green (18%)

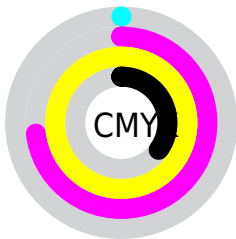
Blue (0%)



Red (65%)

Yellow (24%)

Blue (0%)

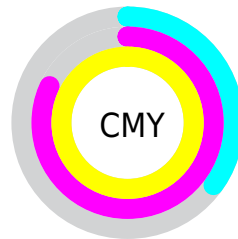


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4554, 9.8761, 1.0390 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 16.4554, 9.8761, 1.0390 by changing the saturation by 10% instead.


 16.4554, 9.8761,
1.0390


 16.4554, 9.8761,
1.0390


 225.2321,
189.7855, 104.9997


 9.9399, 5.3169,
0.0000


 36.9381, 25.5622,
6.1903


 5.4211, 2.4344,
0.0000


 51.6360, 37.4579,
11.3570


 2.5336, 0.8435,
0.0000

 69.7920, 52.5678,
18.8091

 0.9123, 0.0000,
0.0000

 91.7716, 71.2764,
28.9652

 0.0000, 0.0000,
0.0000

 117.9400, 93.9681,
42.2437


 148.6627,


121.0272, 59.0633


 184.3049,
152.8382, 79.8425


 16.4554, 9.8761,
1.0390


 16.4554, 9.8761,
1.0390


 16.4555, 9.8766,
1.0391

 17.0777, 10.9652,
1.7265

 17.9200, 12.3662,
2.8814

 19.0248, 14.1111,
4.6826

 20.4151, 16.2223,
7.2098

 22.1111, 18.7202,
10.5311

■ 24.1308, 21.6236,
14.7067

■ 26.4910, 24.9500,
19.7910

■ 29.2070, 28.7157,
25.8336

■ 32.2934, 32.9362,
32.8808

Harmonies

Analogous

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



19.9836, 9.8761, 5.2731



16.4554, 9.8761, 1.0390



11.4984, 9.8761, 0.0000

Triad

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



16.4554, 9.8761, 1.0390



3.3550, 9.8761, 6.0399



11.9756, 9.8761, 54.3422

Complementary

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



16.4554, 9.8761, 1.0390



13.5070, 16.1477, 38.0018

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.



7.5512, 9.8761, 55.2768



16.4554, 9.8761, 1.0390



3.4108, 9.8761, 19.1179

Square

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



16.4554, 9.8761, 1.0390



4.5157, 9.8761, 1.2313



4.7030, 9.8761, 39.3607



16.8970, 9.8761, 37.3483

Rectangle

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



16.4554, 9.8761, 1.0390



8.4735, 9.8761, 0.0000



4.7030, 9.8761, 39.3607



10.3638, 9.8761, 56.8338

Sweetspot

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



16.4556, 9.8767, 1.0391



47.1948, 44.3357, 34.8990



18.9681, 9.3798, 18.8999



9.9359, 9.1568, 6.8001



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4556, 9.8767, 1.0391



29.3247, 17.3957, 1.8121



23.0418, 23.0491, 3.2345



7.2237, 7.3858, 7.4250



12.4858, 7.5455, 0.7984



0.2995, 0.2329, 0.0292

Inverse Universe

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



13.5070, 16.1477, 38.0018



24.0134, 28.5657, 68.0004



7.5007, 4.1351, 35.9997



7.1120, 7.6829, 9.0112



10.2613, 12.3020, 28.7635



0.2516, 0.3305, 0.6164

Previews

White Background



This preview shows how the XYZ color 16.4554, 9.8761, 1.0390 looks on a white background.

Color Contrast Check

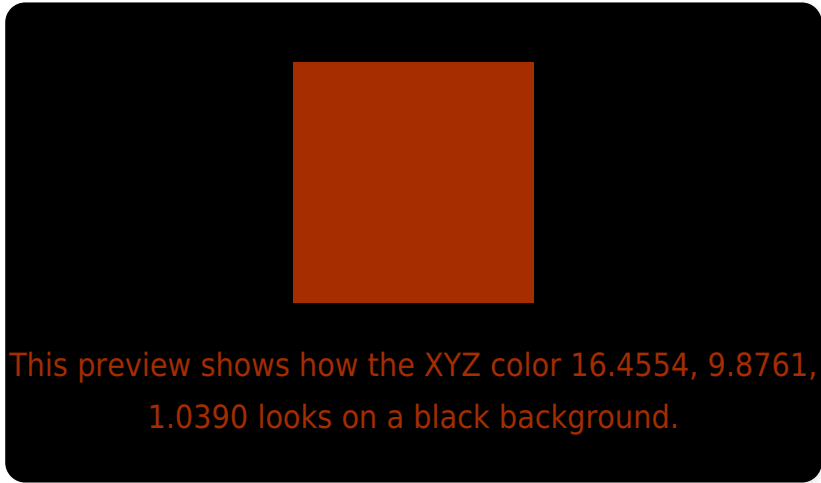
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4554, 9.8761, 1.0390

Background



This preview shows how black text looks on a background with the XYZ color 16.4554, 9.8761, 1.0390.



This preview shows how white text looks on a background with the XYZ color 16.4554, 9.8761,

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

16.4554, 9.8761, 1.0390

Protanopia

9.1405, 10.1260, 2.0889

Deuteranopia

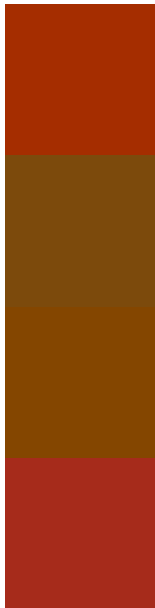
10.0586, 10.0077, 1.4015



Tritanopia

16.9899, 9.9373, 3.3081

Trichromacy



Original Color

16.4554, 9.8761, 1.0390

Protanomaly

10.8273, 9.2092, 1.5547

Deuteranomaly

11.7059, 9.2859, 1.1754

Tritanomaly

16.7876, 9.9139, 2.0657

Monochromacy



Original Color

16.4554, 9.8761, 1.0390

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.6081, 7.1821, 3.7289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4554, 9.8761, 1.0390 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(165, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 45, 0)  
}
```

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(165, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 45, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.4554, 9.8761, 1.0390 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(165, 45, 0) }
```


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

```
.border{ border-color:rgb(165, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4554, 9.8761, 1.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 45, 0) }
```

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

```
.background{ background-color: rgb(165, 45,  
0) }
```

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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