

Converting Colors

XYZ(15.4990, 10.6281, 4.0798)

Have a look what the booklet for
XYZ(15.4990, 10.6281, 4.0798)
contains.

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Color

**XYZ(15.5038, 10.6525,
4.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	994030
RGB	153, 64, 48
RGB Percent	60%, 25%, 19%
CMY	0.4000, 0.7490, 0.8118
CMYK	0.00, 0.58, 0.69, 0.40
HSL	9°, 52%, 39%
HSV	9°, 69%, 60%
XYZ	15.5038, 10.6525, 4.0353
YIQ	88.7870, 58.1800, 13.8920

Conversions

Conversions Part 2

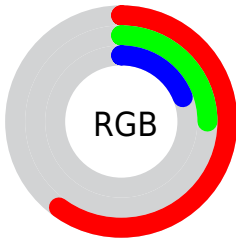
Format	Color
R_{YB}	153, 67, 48
Decimal	10043440
CIE _{Lab}	38.99, 36.17, 28.13
CIE _{LCh}	39, 45.821, 37.869
Yxy	10.6525, 0.5135, 0.3528
Android (android.graphics.Color)	4288233520 (0xFF994030)
YUV	88.7870, -20.1080, 56.3148
Hunter-Lab	32.6382, 27.6744, 15.5163

Details

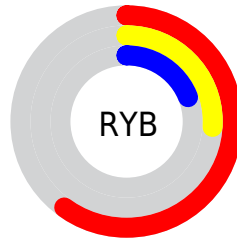
The XYZ color **15.5038, 10.6525, 4.0353** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.9137, 20.8182, 33.3165**, and the grayscale version is **9.4828, 9.9767, 10.8646**.

A 20% lighter version of the original color is **35.3477, 27.0847, 14.1913**, and **4.9545, 2.7305, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **14.5926, 9.2514, 2.4335**, and if you desaturate by 10%, it is **16.6945, 12.4385, 6.2678**.

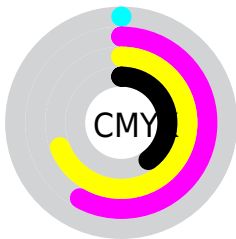
Distribution



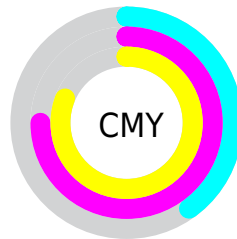
- Red (60%)
- Green (25%)
- Blue (19%)



- Red (60%)
- Yellow (26%)
- Blue (19%)



- Cyan (0%)
- Magenta (58%)
- Yellow (69%)
- Black (40%)





- Cyan (40%)
- Magenta (75%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5038, 10.6525, 4.0353 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 15.5038, 10.6525, 4.0353 by changing the saturation by 10% instead.


 15.5038, 10.6525,
4.0353


 15.5038, 10.6525,
4.0353


219.7241,
195.2677, 148.6169


 9.2623, 5.8337,
1.6447


 35.2991, 27.0158,
14.0911


 4.9712, 2.7442,
0.3224

 49.5835, 39.3290,
22.5934


 2.2649, 0.9997,
0.0000

 67.2798, 54.9092,
33.9700

 0.7766, 0.0000,
0.0000

 88.7531, 74.1407,
48.6395

 0.0000, 0.0000,
0.0000

 114.3688, 97.4079,
67.0204

 144.4923,

125.0952, 89.5312

179.4889,
157.5870, 116.5906

■ 15.5038, 10.6525,
4.0353

■ 15.5038, 10.6525,
4.0353

■ 14.5926, 9.2514,
2.4335

■ 16.6945, 12.4385,
6.2678

■ 13.9365, 8.2047,
1.3960

■ 18.1848, 14.6334,
9.1872

■ 13.4982, 7.4765,
0.7920

■ 19.9940, 17.2610,
12.8442

■ 13.4496, 7.3979,
0.7191

■ 22.1392, 20.3431,
17.2844

■ 24.6365, 23.8998,
22.5498

■ 27.5009, 27.9501,
28.6794

■ 30.7465, 32.5119,
35.7096

■ 34.3867, 37.6021,
43.6747

■ 38.4341, 43.2371,
52.6075

Harmonies

Analogous

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



17.1267, 10.6525, 9.4454



15.5038, 10.6525, 4.0353



12.5021, 10.6525, 1.9541

Triad

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



15.5038, 10.6525, 4.0353



5.6014, 10.6525, 6.3468



10.9503, 10.6525, 37.5057

Complementary

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



15.5038, 10.6525, 4.0353



15.9137, 20.8182, 33.3165

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.



8.0699, 10.6525, 35.1918



15.5038, 10.6525, 4.0353



5.3509, 10.6525, 14.0568

Square

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



15.5038, 10.6525, 4.0353



6.9311, 10.6525, 2.7439



6.1608, 10.6525, 25.2876



14.1741, 10.6525, 30.5837

Rectangle

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



15.5038, 10.6525, 4.0353



10.3448, 10.6525, 1.6031



6.1608, 10.6525, 25.2876



9.9081, 10.6525, 37.8274

Sweetspot

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



15.5040, 10.6531, 4.0355



42.8094, 40.9387, 37.6026



18.7271, 10.6996, 24.8392



9.2021, 8.6830, 7.7738



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.5040, 10.6531, 4.0355



25.4929, 15.5562, 3.3123



19.9446, 19.5342, 5.5157



6.2811, 6.3672, 6.5038



11.1326, 6.1475, 0.5998



0.1834, 0.1259, 0.0146

Inverse Universe

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



15.9137, 20.8182, 33.3165



26.1615, 34.7778, 59.3059



10.1976, 9.3861, 31.4111



6.3044, 6.8661, 7.9220



11.3337, 15.0641, 27.2180



0.1885, 0.2633, 0.4133

Previews

White Background



This preview shows how the XYZ color 15.5038, 10.6525, 4.0353 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 × Fail

Black Background



This preview shows how the XYZ color 15.5038, 10.6525, 4.0353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5038, 10.6525, 4.0353

Background



This preview shows how black text looks on a background with the XYZ color 15.5038, 10.6525, 4.0353.



This preview shows how white text looks on a background with the XYZ color 15.5038, 10.6525,

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

15.5038, 10.6525, 4.0353

Protanopia

10.0449, 10.9009, 5.5776

Deuteranopia

10.8652, 10.7313, 3.7842



Tritanopia

16.0324, 10.7086, 6.3762

Trichromacy



Original Color

15.5038, 10.6525, 4.0353

Protanomaly

11.4289, 10.2940, 4.8746

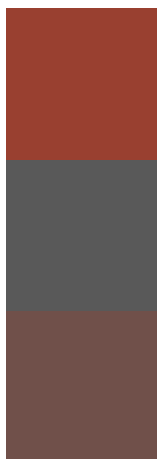
Deuteranomaly

12.1717, 10.3706, 3.8428

Tritanomaly

15.8934, 10.7408, 5.3732

Monochromacy



Original Color

15.5038, 10.6525, 4.0353

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.7868, 9.6765, 7.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5038, 10.6525, 4.0353 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(153, 64, 48)` looks like.

```
.text, #text, p{  
    color:rgb(153, 64, 48)  
}
```

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(153, 64, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 64, 48) }
```

Border

The CSS property to change the border of an element to XYZ 15.5038, 10.6525, 4.0353 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(153, 64, 48) }
```


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

```
.border{ border-color:rgb(153, 64, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 64, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 64, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 64, 48);  
box-shadow:4px 4px 4px 4px rgb(153, 64,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5038, 10.6525, 4.0353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 64, 48) }
```

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

```
.background{ background-color: rgb(153, 64,  
48) }
```

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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