

Converting Colors

XYZ(0.7170, 0.0000, 1.2984)

Have a look what the booklet for
XYZ(0.7170, 0.0000, 1.2984)
contains.

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Color

XYZ(0.9538, 0.4616, 1.4053)

Conversions

Conversions Part 1

Format	Color
Hex	230020
RGB	35, 0, 32
RGB Percent	14%, 0%, 13%
CMY	0.8628, 1.0000, 0.8745
CMYK	0.00, 1.00, 0.09, 0.86
HSL	305°, 100%, 7%
HSV	305°, 100%, 14%
XYZ	0.9538, 0.4616, 1.4053
YIQ	14.1130, 10.5880, 17.3720

Conversions

Conversions Part 2

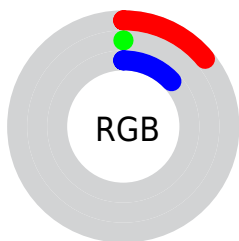
Format	Color
R_{YB}	35, 0, 32
Decimal	2293792
CIE Lab	4.17, 20.91, -12.14
CIE LCh	4, 24.177, 329.864
Yxy	0.4616, 0.3381, 0.1636
Android (android.graphics.Color)	4280483872 (0xFF230020)
YUV	14.1130, 8.8183, 18.3179
Hunter-Lab	6.7941, 13.1692, -7.5077

Details

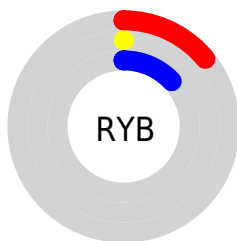
The XYZ color **0.9538, 0.4616, 1.4053** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0.6175, 1.2086, 0.2869**, and the grayscale version is **0.4181, 0.4399, 0.4791**.

A 20% lighter version of the original color is **5.5898, 4.1813, 7.3499**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **0.9538, 0.4616, 1.4053**, and if you desaturate by 10%, it is **0.9959, 0.5392, 1.4395**.

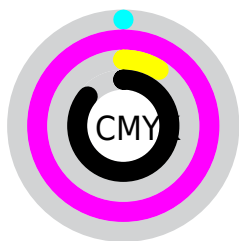
Distribution



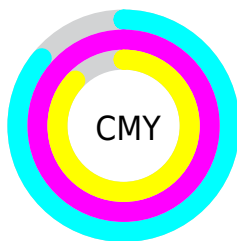
- Red (14%)
- Green (0%)
- Blue (13%)



- Red (14%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (86%)



- Cyan (86%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 0.9538, 0.4616, 1.4053 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 0.9538, 0.4616, 1.4053 by changing the saturation by 10% instead.

0.9538, 0.4616,
1.4053

0.9538, 0.4616,
1.4053

92.6598, 85.6666,
112.3258

0.0000, 0.0000,
0.1458

5.5565, 4.1526,
7.3398

0.0000, 0.0000,
0.0000

10.1424, 8.0900,
13.0617


16.7385, 13.9559,
21.1781


25.7102, 22.1347,
32.1075


37.4228, 33.0107,
46.2684


52.2417, 46.9685,


64.0794


 70.5323, 64.3923,
85.9590


 0.9538, 0.4616,
1.4053

 0.9959, 0.5392,
1.4395

 1.0380, 0.6169,
1.4740

 1.0802, 0.6946,
1.5086

 1.1275, 0.7823,
1.5451

 1.1830, 0.8865,
1.5846

■ 1.2471, 1.0080,
1.6271

■ 1.3203, 1.1475,
1.6728

■ 1.4029, 1.3057,
1.7218

■ 1.4952, 1.4832,
1.7743

Harmonies

Analogous

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



0.7326, 0.4616, 2.3573



0.9538, 0.4616, 1.4053



1.0432, 0.4616, 0.5066

Triad

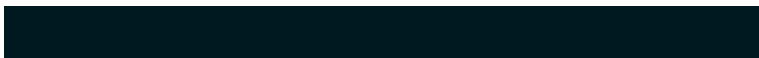
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



0.9538, 0.4616, 1.4053



0.4401, 0.4616, 0.0000



0.0000, 0.4616, 1.3964

Complementary

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



0.9538, 0.4616, 1.4053



0.6175, 1.2086, 0.2869

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.



0.0000, 0.4616, 0.4986



0.9538, 0.4616, 1.4053



0.1448, 0.4616, 0.0000

Square

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



0.9538, 0.4616, 1.4053



0.7351, 0.4616, 0.0000



0.0000, 0.4616, 0.0000



0.1424, 0.4616, 2.3500

Rectangle

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



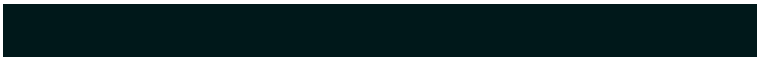
0.9538, 0.4616, 1.4053



1.0032, 0.4616, 0.0000



0.0000, 0.4616, 0.0000



0.0000, 0.4616, 1.0814

Sweetspot

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



0.9538, 0.4616, 1.4053



2.1105, 1.8059, 2.6918



0.3399, 0.1402, 1.5992



0.6658, 0.5733, 0.8469



29.1803, 30.6999, 33.4322



0.8118, 0.8540, 0.9300

Same Dimension

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



0.9538, 0.4616, 1.4053



1.5395, 0.7455, 2.2501



0.7764, 0.3907, 0.4710



0.5396, 0.5424, 0.6356



4.7016, 2.2786, 6.7784



35.7468, 17.3395, 50.8579

Inverse Universe

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



0.9538, 0.4616, 1.4053



1.5395, 0.7455, 2.2501



0.7310, 1.2540, 0.8850



0.5396, 0.5424, 0.6356



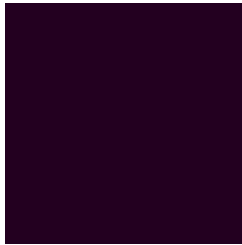
4.7016, 2.2786, 6.7784



35.7468, 17.3395, 50.8579

Previews

White Background



This preview shows how the XYZ color 0.9538, 0.4616, 1.4053 looks on a white background.

Color Contrast Check

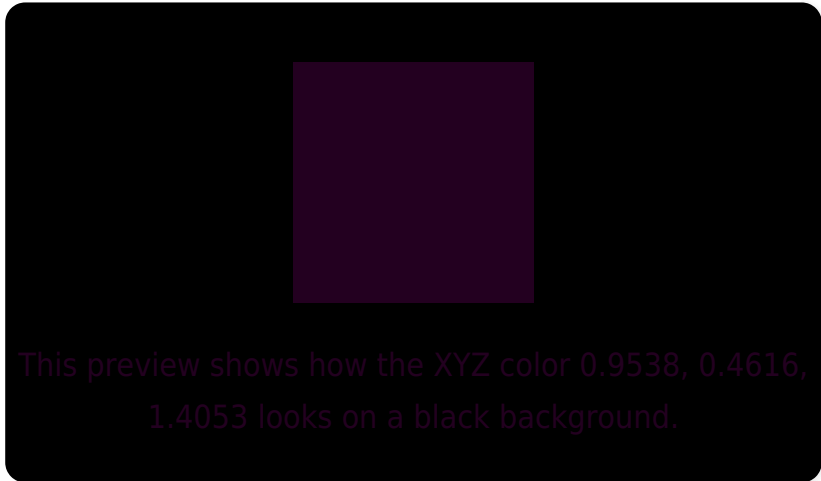
Large Text (above 18pt) WCAG AA ✓ Pass

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

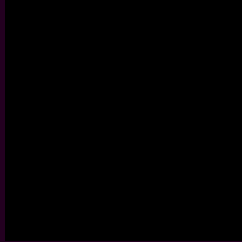
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 0.9538, 0.4616, 1.4053

Background



This preview shows how black text looks on a background with the XYZ color 0.9538, 0.4616, 1.4053.



This preview shows how white text looks on a background with the XYZ color 0.9538, 0.4616, 1.4053.

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

0.9538, 0.4616, 1.4053

Protanopia

0.6159, 0.6189, 2.0945

Deuteranopia

0.6815, 0.6956, 1.3266



Tritanopia

0.8438, 0.6402, 0.4599

Trichromacy



Original Color

0.9538, 0.4616, 1.4053

Protanomaly

0.6314, 0.4821, 1.8100

Deuteranomaly

0.7221, 0.5573, 1.3658

Tritanomaly

0.8728, 0.5643, 0.7247

Monochromacy



Original Color

0.9538, 0.4616, 1.4053

Achromatopsia

0.4174, 0.4391, 0.4782

Achromatomaly

0.5639, 0.4201, 0.7608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 0.9538, 0.4616, 1.4053 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(35, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 32)  
}
```

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(35, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 0.9538, 0.4616, 1.4053 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(35, 0, 32) }
```

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

```
.border{ border-color:rgb(35, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(35, 0, 32); box-shadow:4px  
4px 4px 4px rgb(35, 0, 32) }
```


Background

The CSS property to change the background color of an element to XYZ 0.9538, 0.4616, 1.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 0, 32) }
```

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

```
.background{ background-color: rgb(35, 0,  
32) }
```

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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