

Converting Colors

XYZ(15.9056, 9.3697, 2.3108)

Have a look what the booklet for
XYZ(15.9056, 9.3697, 2.3108)
contains.

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Color

**XYZ(15.9539, 9.3715,
2.3345)**

Conversions

Conversions Part 1

Format	Color
Hex	A22920
RGB	162, 41, 32
RGB Percent	64%, 16%, 13%
CMY	0.3647, 0.8392, 0.8745
CMYK	0.00, 0.75, 0.80, 0.36
HSL	4°, 67%, 38%
HSV	4°, 80%, 64%
XYZ	15.9539, 9.3715, 2.3345
YIQ	76.1530, 75.0050, 22.8530

Conversions

Conversions Part 2

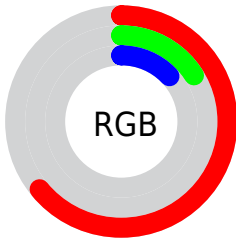
Format	Color
R_{YB}	162, 42, 32
Decimal	10627360
CIE Lab	36.69, 48.70, 35.28
CIE LCh	37, 60.138, 35.923
Yxy	9.3715, 0.5768, 0.3388
Android (android.graphics.Color)	4288817440 (0xFFA22920)
YUV	76.1530, -21.7674, 75.2878
Hunter-Lab	30.6129, 39.4526, 16.9077

Details

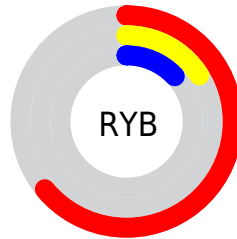
The XYZ color **15.9539, 9.3715, 2.3345** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.5070, 25.6953, 38.1664**, and the grayscale version is **6.9272, 7.2880, 7.9366**.

A 20% lighter version of the original color is **35.9539, 24.5895, 9.8725**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.3601, 8.4539, 1.3046**, and if you desaturate by 10%, it is **16.8561, 10.7330, 4.0013**.

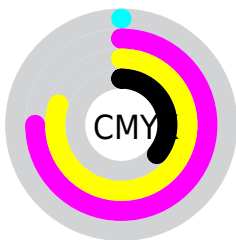
Distribution



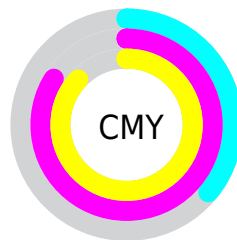
- Red (64%)
- Green (16%)
- Blue (13%)



- Red (64%)
- Yellow (16%)
- Blue (13%)



- Cyan (0%)
- Magenta (75%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (84%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9539, 9.3715, 2.3345 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 15.9539, 9.3715, 2.3345 by changing the saturation by 10% instead.


 15.9539, 9.3715,
2.3345


 15.9539, 9.3715,
2.3345


222.3453,
186.1256, 127.3720


 9.5822, 4.9843,
0.7504


 36.0762, 24.6064,
9.9366


 5.1829, 2.2380,
0.0000

 50.5576, 36.2230,
16.8072


 2.3909, 0.7406,
0.0000

 68.4728, 51.0180,
26.2822

 0.8406, 0.0000,
0.0000


 90.1874, 69.3761,
38.7801


 0.0000, 0.0000,
0.0000


 116.0665, 91.6814,
54.7195


 146.4756,


118.3186, 74.5189


 181.7801,
149.6718, 98.5969


 15.9539, 9.3715,
2.3345


 15.9539, 9.3715,
2.3345


 15.3601, 8.4539,
1.3046


 16.8561, 10.7330,
4.0013

 15.0224, 7.9259,
0.7381

 18.1006, 12.5833,
6.3852

 19.7174, 14.9635,
9.5552

 21.7331, 17.9099,
13.5720

 24.1719, 21.4557,
18.4902

■ 27.0559, 25.6315,
24.3600

■ 30.4058, 30.4658,
31.2280

■ 34.2410, 35.9854,
39.1374

■ 38.5799, 42.2155,
48.1292

Harmonies

Analogous

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



17.9618, 9.3715, 8.2523



15.9539, 9.3715, 2.3345



12.1170, 9.3715, 0.5839

Triad

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



15.9539, 9.3715, 2.3345



3.8830, 9.3715, 3.9685



9.6577, 9.3715, 46.5456

Complementary

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



15.9539, 9.3715, 2.3345



18.5070, 25.6953, 38.1664

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.



6.3213, 9.3715, 42.1408



15.9539, 9.3715, 2.3345



3.5602, 9.3715, 12.4414

Square

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



15.9539, 9.3715, 2.3345



5.3675, 9.3715, 1.0188



4.3182, 9.3715, 27.3088



13.7371, 9.3715, 36.9837

Rectangle

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



15.9539, 9.3715, 2.3345



9.4199, 9.3715, 0.2288



4.3182, 9.3715, 27.3088



8.4137, 9.3715, 46.7024

Sweetspot

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



15.9541, 9.3721, 2.3346



46.8132, 43.1981, 39.5215



21.1940, 11.0253, 31.2923



10.1195, 9.1306, 8.0740



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.



15.9541, 9.3721, 2.3346



27.3944, 14.5585, 1.6093



20.2806, 18.0251, 3.7768



7.1114, 7.1611, 7.3875



11.8482, 6.2702, 0.5858



0.2601, 0.1540, 0.0160

Inverse Universe

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



18.5070, 25.6953, 38.1664



32.0416, 44.9826, 69.0499



10.6343, 9.9500, 35.5422



7.2339, 7.9268, 9.0518



13.8407, 19.4608, 29.9566



0.3025, 0.4322, 0.6333

Previews

White Background



This preview shows how the XYZ color 15.9539, 9.3715, 2.3345 looks on a white background.

Color Contrast Check

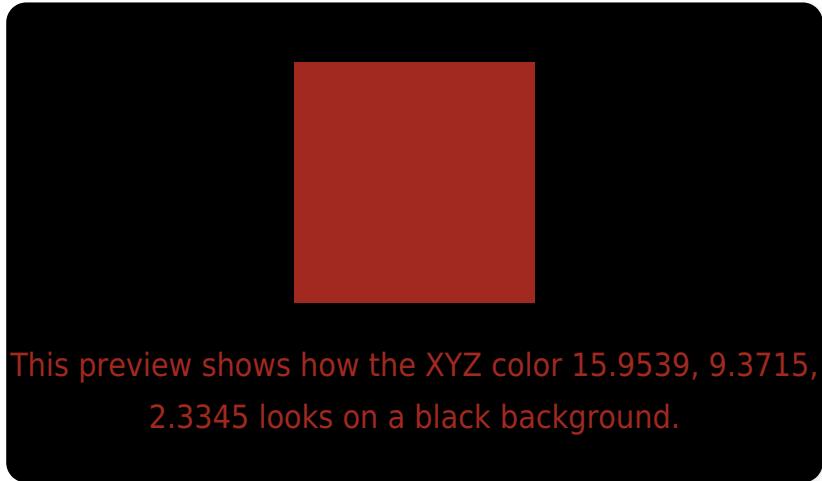
Large Text (above 18pt) WCAG AA ✓ Pass

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

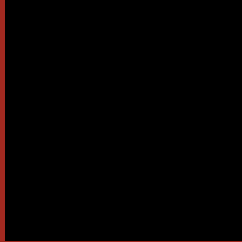
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9539, 9.3715, 2.3345

Background



This preview shows how black text looks on a background with the XYZ color 15.9539, 9.3715, 2.3345.



This preview shows how white text looks on a background with the XYZ color 15.9539, 9.3715,

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

15.9539, 9.3715, 2.3345

Protanopia

8.8931, 9.7103, 3.8882

Deuteranopia

9.6590, 9.5557, 2.0448



Tritanopia

16.0593, 9.3591, 3.0579

Trichromacy



Original Color

15.9539, 9.3715, 2.3345

Protanomaly

10.5214, 8.7246, 3.1370

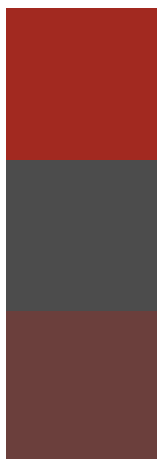
Deuteranomaly

11.2959, 8.8716, 2.0367

Tritanomaly

16.0089, 9.3389, 2.7925

Monochromacy



Original Color

15.9539, 9.3715, 2.3345

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.6565, 7.0071, 5.1712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9539, 9.3715, 2.3345 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(162, 41, 32)` looks like.

```
.text, #text, p{  
    color:rgb(162, 41, 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(162, 41, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 41, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.9539, 9.3715, 2.3345 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(162, 41, 32) }
```


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

```
.border{ border-color:rgb(162, 41, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 41, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 41, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 41, 32);  
box-shadow:4px 4px 4px 4px rgb(162, 41,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9539, 9.3715, 2.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 41, 32) }
```

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

```
.background{ background-color: rgb(162, 41,  
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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