

Converting Colors

XYZ(15.7624, 8.7494, 1.9938)

Have a look what the booklet for
XYZ(15.7624, 8.7494, 1.9938)
contains.

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Color

**XYZ(15.7654, 8.7540,
2.0212)**

Conversions

Conversions Part 1

Format	Color
Hex	A31D1D
RGB	163, 29, 29
RGB Percent	64%, 11%, 11%
CMY	0.3608, 0.8862, 0.8863
CMYK	0.00, 0.82, 0.82, 0.36
HSL	0°, 70%, 38%
HSV	0°, 82%, 64%
XYZ	15.7654, 8.7540, 2.0212
YIQ	69.0660, 79.8640, 28.4080

Conversions

Conversions Part 2

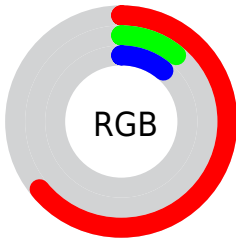
Format	Color
RYB	163, 29, 29
Decimal	10689821
CIELab	35.51, 52.71, 35.85
CIElCh	36, 63.746, 34.219
Yxy	8.7540, 0.5940, 0.3298
Android (android.graphics.Color)	4288879901 (0xFFA31D1D)
YUV	69.0660, -19.7525, 82.3801
Hunter-Lab	29.5872, 43.3355, 16.6607

Details

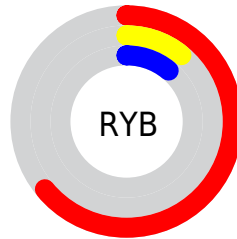
The XYZ color **15.7654, 8.7540, 2.0212** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.2125, 29.0955, 39.2007**, and the grayscale version is **5.6905, 5.9869, 6.5197**.

A 20% lighter version of the original color is **35.7771, 23.4814, 9.1253**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.3152, 8.0954, 1.1261**, and if you desaturate by 10%, it is **16.5339, 9.8789, 3.5485**.

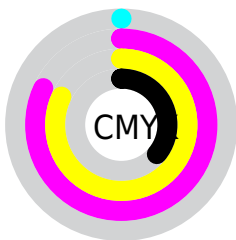
Distribution



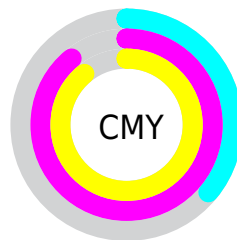
- Red (64%)
- Green (11%)
- Blue (11%)



- Red (64%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (36%)




- Cyan (36%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7654, 8.7540, 2.0212 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 15.7654, 8.7540, 2.0212 by changing the saturation by 10% instead.


 15.7654, 8.7540,
2.0212


 15.7654, 8.7540,
2.0212


221.2511,
181.5320, 122.7051


 9.4481, 4.5811,
0.5683


 35.7512, 23.4239,
9.0987


 5.0940, 2.0036,
0.0000

 50.1504, 34.6896,
15.6120


 2.3379, 0.6096,
0.0000

 67.9742, 49.0884,
24.6666

 0.8139, 0.0000,
0.0000


 89.5881, 67.0046,
36.6807


 0.0000, 0.0000,
0.0000

 115.3574, 88.8227,
52.0731


 145.6474,


114.9270, 71.2623


 180.8235,
145.7020, 94.6668


 15.7654, 8.7540,
2.0212


 15.7654, 8.7540,
2.0212


 15.3152, 8.0954,
1.1261

 16.5339, 9.8789,
3.5485

 15.1043, 7.7868,
0.7069

 17.6642, 11.5329,
5.7953

 19.1936, 13.7709,
8.8355

 21.1547, 16.6405,
12.7340

 23.5766, 20.1844,
17.5486

■ 26.4860, 24.4417,
23.3324

■ 29.9075, 29.4484,
30.1344

■ 33.8642, 35.2380,
38.0002

■ 38.3774, 41.8421,
46.9727

Harmonies

Analogous

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



17.7103, 8.7540, 8.0999



15.7654, 8.7540, 2.0212



11.8432, 8.7540, 0.2668

Triad

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



15.7654, 8.7540, 2.0212



3.3915, 8.7540, 3.1013



8.8589, 8.7540, 48.1540

Complementary

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



15.7654, 8.7540, 2.0212



20.2125, 29.0955, 39.2007

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.



5.5763, 8.7540, 42.5361



15.7654, 8.7540, 2.0212



3.0241, 8.7540, 11.1229

Square

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



15.7654, 8.7540, 2.0212



4.9057, 8.7540, 0.5947



3.6897, 8.7540, 26.3614



13.0368, 8.7540, 38.5727

Rectangle

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



15.7654, 8.7540, 2.0212



9.0634, 8.7540, 0.0000



3.6897, 8.7540, 26.3614



7.6192, 8.7540, 48.0105

Sweetspot

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



15.7656, 8.7545, 2.0213



45.6397, 41.1469, 38.2183



22.1543, 11.3096, 35.6653



9.8586, 8.6681, 7.8047



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.



15.7656, 8.7545, 2.0213



27.0854, 13.9961, 1.3347



19.5088, 16.2410, 3.2691



7.0738, 7.0861, 7.3750



11.7390, 6.0519, 0.5494



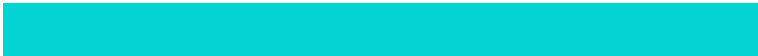
0.2467, 0.1272, 0.0115

Inverse Universe

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



20.2125, 29.0955, 39.2007



35.3175, 51.6524, 70.1646



11.3004, 11.2713, 36.2300



7.2761, 8.0112, 9.0659



15.3149, 22.4091, 30.4480



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 15.7654, 8.7540, 2.0212 looks on a white background.

Color Contrast Check

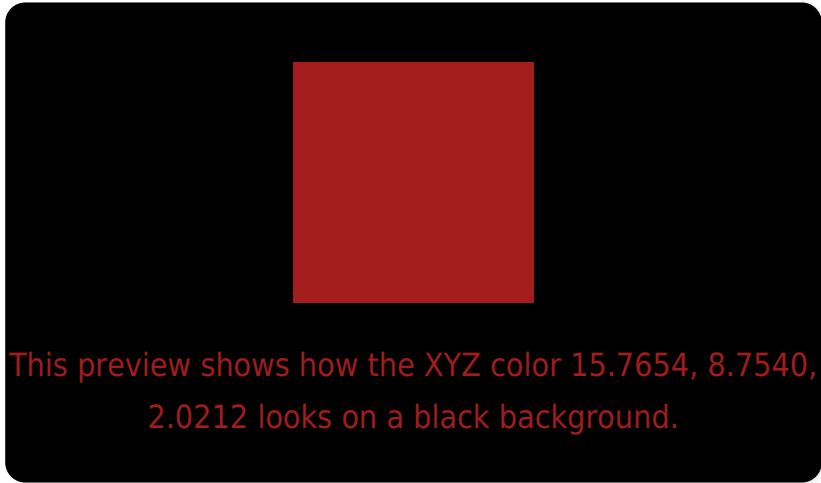
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7654, 8.7540, 2.0212

Background



This preview shows how black text looks on a background with the XYZ color 15.7654, 8.7540, 2.0212.



This preview shows how white text looks on a background with the XYZ color 15.7654, 8.7540,

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

15.7654, 8.7540, 2.0212

Protanopia

8.3006, 9.0511, 3.5950

Deuteranopia

9.0921, 9.0451, 1.7186



Tritanopia

15.7532, 8.7491, 1.9571

Trichromacy



Original Color

15.7654, 8.7540, 2.0212

Protanomaly

9.8479, 7.8425, 2.8284

Deuteranomaly

10.6013, 8.0078, 1.6487

Tritanomaly

15.7532, 8.7491, 1.9571

Monochromacy



Original Color

15.7654, 8.7540, 2.0212

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.5785, 5.7882, 4.2078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7654, 8.7540, 2.0212 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(163, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(163, 29, 29)  
}
```

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(163, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 29, 29) }
```

Border

The CSS property to change the border of an element to XYZ 15.7654, 8.7540, 2.0212 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(163, 29, 29) }
```


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

```
.border{ border-color:rgb(163, 29, 29) }
```

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

Here you see how a box with a 4 pixel rgb(163, 29, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 29, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 29, 29);  
box-shadow:4px 4px 4px 4px rgb(163, 29,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7654, 8.7540, 2.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 29, 29) }
```

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

```
.background{ background-color: rgb(163, 29,  
29) }
```

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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