

Converting Colors

XYZ(12.5679, 7.0995, 2.1468)

Have a look what the booklet for
XYZ(12.5679, 7.0995, 2.1468)
contains.

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Color

**XYZ(12.5679, 7.0995,
2.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	921D21
RGB	146, 29, 33
RGB Percent	57%, 11%, 13%
CMY	0.4275, 0.8862, 0.8706
CMYK	0.00, 0.80, 0.77, 0.43
HSL	358°, 67%, 34%
HSV	358°, 80%, 57%
XYZ	12.5679, 7.0995, 2.1468
YIQ	64.4390, 68.4480, 26.0480

Conversions

Conversions Part 2

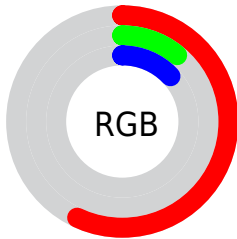
Format	Color
RYB	146, 29, 33
Decimal	9575713
CIELab	32.03, 47.69, 28.78
CIElCh	32, 55.706, 31.112
Yxy	7.0995, 0.5761, 0.3255
Android (android.graphics.Color)	4287765793 (0xFF921D21)
YUV	64.4390, -15.4994, 71.5290
Hunter-Lab	26.6449, 37.5666, 13.8744

Details

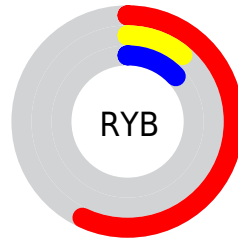
The XYZ color **12.5679, 7.0995, 2.1468** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.6688, 22.7721, 29.1640**, and the grayscale version is **4.9553, 5.2134, 5.6774**.

A 20% lighter version of the original color is **30.0772, 20.1689, 9.5155**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.1332, 6.4828, 1.2234**, and if you desaturate by 10%, it is **13.2553, 8.0894, 3.5630**.

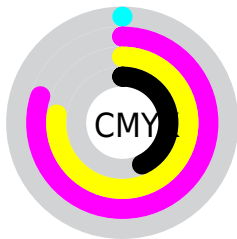
Distribution



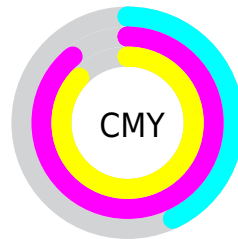
- Red (57%)
- Green (11%)
- Blue (13%)



- Red (57%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (77%)
- Black (43%)



- Cyan (43%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5679, 7.0995, 2.1468 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 12.5679, 7.0995, 2.1468 by changing the saturation by 10% instead.

12.5679, 7.0995,
2.1468

12.5679, 7.0995,
2.1468

201.8236,
168.4879, 124.6162

7.2066, 3.5244,
0.6434

30.1332, 20.1731,
9.4384

3.6391, 1.4113,
0.0000

43.0680, 30.4404,
16.0980

1.5001, 0.2250,
0.0000

59.2580, 43.7072,
25.3248

0.3259, 0.0000,
0.0000

79.0686, 60.3579,
37.5373


0.0000, 0.0000,
0.0000


102.8651, 80.7770,
53.1542


131.0128,


105.3487, 72.5940


 163.8772,
134.4576, 96.2751

 12.5679, 7.0995,
2.1468


 12.5679, 7.0995,
2.1468


 12.1332, 6.4828,
1.2234


 13.2553, 8.0894,
3.5630

 11.8812, 6.1218,
0.6985

 14.2254, 9.4973,
5.5272

 15.5045, 11.3632,
8.0878

 17.1157, 13.7219,
11.2878

 19.0801, 16.6050,
15.1660

■ 21.4167, 20.0414,
19.7584

■ 24.1436, 24.0578,
25.0983

■ 27.2773, 28.6794,
31.2169

■ 30.8337, 33.9297,
38.1437

Harmonies

Analogous

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



13.7900, 7.0995, 7.4314



12.5679, 7.0995, 2.1468



9.7360, 7.0995, 0.4512

Triad

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



12.5679, 7.0995, 2.1468



3.0141, 7.0995, 2.3778



6.8541, 7.0995, 36.1667

Complementary

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



12.5679, 7.0995, 2.1468



15.6688, 22.7721, 29.1640

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.



4.4437, 7.0995, 31.0114



12.5679, 7.0995, 2.1468



2.6357, 7.0995, 8.0368

Square

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



12.5679, 7.0995, 2.1468



4.3066, 7.0995, 0.5268



3.0763, 7.0995, 18.9165



9.9717, 7.0995, 30.2534

Rectangle

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



12.5679, 7.0995, 2.1468



7.6249, 7.0995, 0.0134



3.0763, 7.0995, 18.9165



5.9408, 7.0995, 35.6533

Sweetspot

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



12.5681, 7.0999, 2.1469



35.9039, 32.5924, 31.1693



16.4683, 8.5430, 27.9748



7.6995, 6.8276, 6.3684



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.5681, 7.0999, 2.1469



21.0713, 10.9753, 1.4137



15.0672, 12.1824, 2.7203



5.8083, 5.8184, 6.0969



10.4574, 5.3880, 0.6237



0.1296, 0.0666, 0.0160

Inverse Universe

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



12.5681, 7.0999, 2.1469



21.0713, 10.9753, 1.4137



9.6407, 10.2276, 28.6599



5.8083, 5.8184, 6.0969



10.4574, 5.3880, 0.6237



0.1296, 0.0666, 0.0160

Previews

White Background



This preview shows how the XYZ color 12.5679, 7.0995, 2.1468 looks on a white background.

Color Contrast Check

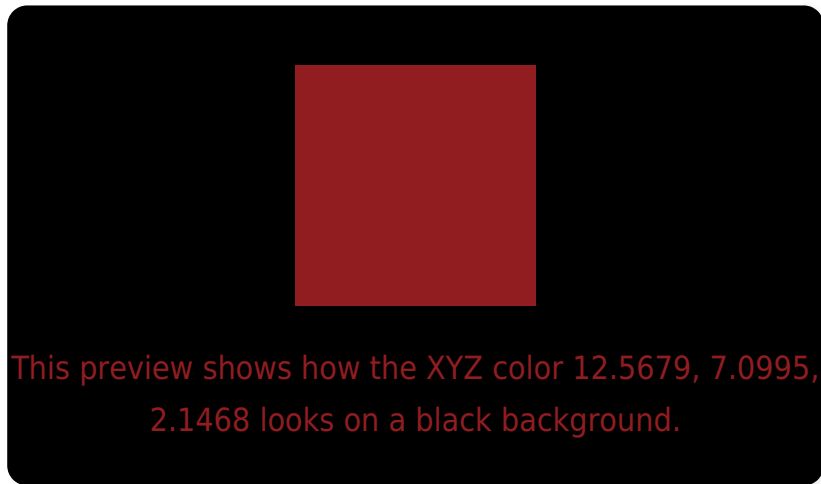
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5679, 7.0995, 2.1468

Background



This preview shows how black text looks on a background with the XYZ color 12.5679, 7.0995, 2.1468.



This preview shows how white text looks on a background with the XYZ color 12.5679, 7.0995,

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

12.5679, 7.0995, 2.1468

Protanopia

6.8231, 7.3978, 3.7576

Deuteranopia

7.3713, 7.3178, 1.8881



Tritanopia

12.5527, 7.1333, 1.9436

Trichromacy



Original Color

12.5679, 7.0995, 2.1468

Protanomaly

8.0972, 6.5247, 3.0231

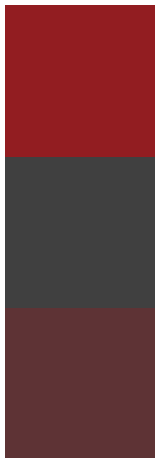
Deuteranomaly

8.6004, 6.5828, 1.8542

Tritanomaly

12.5657, 7.1385, 2.0119

Monochromacy



Original Color

12.5679, 7.0995, 2.1468

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.4425, 5.0044, 3.9945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5679, 7.0995, 2.1468 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(146, 29, 33)` looks like.

```
.text, #text, p{  
    color:rgb(146, 29, 33)  
}
```

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(146, 29, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 29, 33) }
```

Border

The CSS property to change the border of an element to XYZ 12.5679, 7.0995, 2.1468 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(146, 29, 33) }
```


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

```
.border{ border-color:rgb(146, 29, 33) }
```

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

Here you see how a box with a 4 pixel rgb(146, 29, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 29, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 29, 33);  
box-shadow:4px 4px 4px 4px rgb(146, 29,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5679, 7.0995, 2.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 29, 33) }
```

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

```
.background{ background-color: rgb(146, 29,  
33) }
```

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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