

Converting Colors

XYZ(12.2780, 6.5457, 1.9630)

Have a look what the booklet for
XYZ(12.2780, 6.5457, 1.9630)
contains.

XYZ(12.2856, 6.5569, 1.9846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2856, 6.5569,
1.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	920F20
RGB	146, 15, 32
RGB Percent	57%, 6%, 13%
CMY	0.4275, 0.9411, 0.8745
CMYK	0.00, 0.90, 0.78, 0.43
HSL	352°, 81%, 32%
HSV	352°, 90%, 57%
XYZ	12.2856, 6.5569, 1.9846
YIQ	56.1070, 72.6190, 33.0590

Conversions

Conversions Part 2

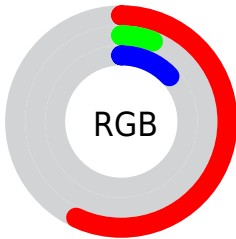
Format	Color
R_{YB}	146, 15, 32
Decimal	9572128
CIE Lab	30.78, 51.19, 28.01
CIE LCh	31, 58.351, 28.692
Yxy	6.5569, 0.5899, 0.3148
Android (android.graphics.Color)	4287762208 (0xFF920F20)
YUV	56.1070, -11.8848, 78.8362
Hunter-Lab	25.6064, 40.8304, 13.3293

Details

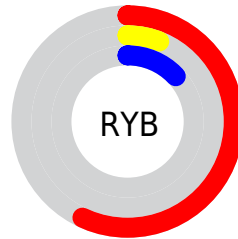
The XYZ color **12.2856, 6.5569, 1.9846** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.4394, 22.2447, 24.3063**, and the grayscale version is **3.7819, 3.9789, 4.3330**.

A 20% lighter version of the original color is **29.6905, 19.0950, 8.9583**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **11.9786, 6.1680, 1.1885**, and if you desaturate by 10%, it is **12.7766, 7.2073, 3.1709**.

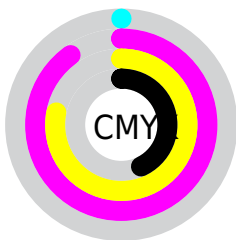
Distribution



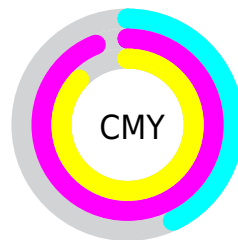
- Red (57%)
- Green (6%)
- Blue (13%)



- Red (57%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (90%)
- Yellow (78%)
- Black (43%)



- Cyan (43%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2856, 6.5569, 1.9846 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 12.2856, 6.5569, 1.9846 by changing the saturation by 10% instead.

12.2856, 6.5569,
1.9846

12.2856, 6.5569,
1.9846

200.0185,
163.9294, 122.1372

7.0121, 3.1866,
0.5458

29.6266, 19.0761,
8.9987

3.5161, 1.2299,
0.0000

42.4247, 28.9938,
15.4686

1.4322, 0.0859,
0.0000

58.4618, 41.8626,
24.4719

0.2790, 0.0000,
0.0000

78.1032, 58.0672,
36.4270

0.0000, 0.0000,
0.0000

101.7142, 77.9917,
51.7526

129.6602,

102.0207, 70.8671

162.3065,
130.5384, 94.1891

12.2856, 6.5569,
1.9846

12.2856, 6.5569,
1.9846

11.9786, 6.1680,
1.1885

12.7766, 7.2073,
3.1709

11.9710, 6.1577,
1.1707

13.5116, 8.2279,
4.8013

14.5177, 9.6636,
6.9144

15.8185, 11.5526,
9.5448

17.4348, 13.9288,
12.7238

■ 19.3856, 16.8228,
16.4800

■ 21.6883, 20.2628,
20.8402

■ 24.3591, 24.2748,
25.8295

■ 27.4133, 28.8833,
31.4716

Harmonies

Analogous

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



13.3577, 6.5569, 7.4989



12.2856, 6.5569, 1.9846



9.4879, 6.5569, 0.2243

Triad

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



12.2856, 6.5569, 1.9846



2.6580, 6.5569, 1.7349



6.1094, 6.5569, 36.5396

Complementary

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



12.2856, 6.5569, 1.9846



14.4394, 22.2447, 24.3063

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.



3.8221, 6.5569, 30.2501



12.2856, 6.5569, 1.9846



2.2369, 6.5569, 6.7915

Square

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



12.2856, 6.5569, 1.9846



3.9786, 6.5569, 0.1312



2.5887, 6.5569, 17.4628



9.2076, 6.5569, 31.1858

Rectangle

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



12.2856, 6.5569, 1.9846



7.3545, 6.5569, 0.0000



2.5887, 6.5569, 17.4628



5.2302, 6.5569, 35.6653

Sweetspot

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



12.2857, 6.5573, 1.9847



35.0262, 30.9107, 30.6495



14.3421, 7.0482, 27.7985



7.5400, 6.5011, 6.3380



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.



12.2857, 6.5573, 1.9847



21.0817, 10.8484, 1.8728



13.7202, 9.7052, 1.6026



5.8296, 5.8269, 6.2088



10.5397, 5.4209, 1.0570



0.1349, 0.0687, 0.0441

Inverse Universe

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



12.2857, 6.5573, 1.9847



21.0817, 10.8484, 1.8728



9.7506, 10.9071, 28.7853



5.8296, 5.8269, 6.2088



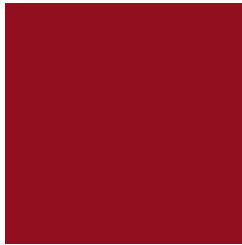
10.5397, 5.4209, 1.0570



0.1349, 0.0687, 0.0441

Previews

White Background



This preview shows how the XYZ color 12.2856, 6.5569, 1.9846 looks on a white background.

Color Contrast Check

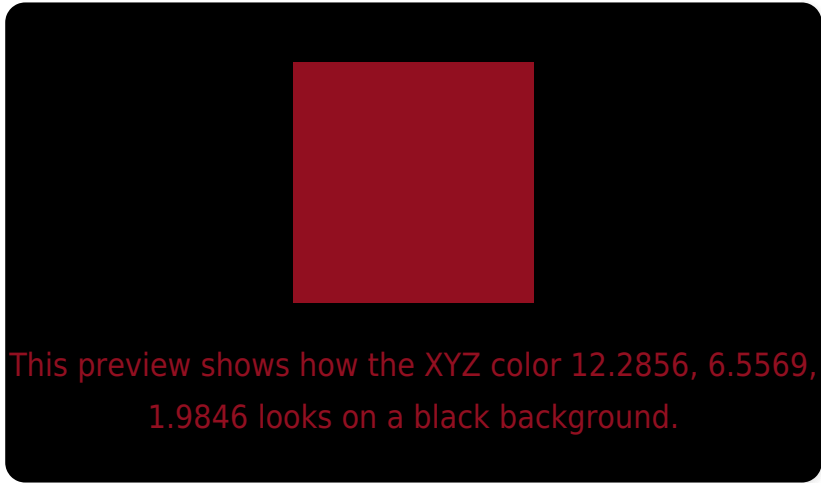
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2856, 6.5569, 1.9846

Background



This preview shows how black text looks on a background with the XYZ color 12.2856, 6.5569, 1.9846.



This preview shows how white text looks on a background with the XYZ color 12.2856, 6.5569,

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

12.2856, 6.5569, 1.9846

Protanopia

6.4429, 6.9949, 3.8069

Deuteranopia

7.0240, 6.9480, 1.7815



Tritanopia

12.1805, 6.6141, 1.1249

Trichromacy



Original Color

12.2856, 6.5569, 1.9846

Protanomaly

7.5167, 5.7166, 2.8977

Deuteranomaly

8.1803, 5.9529, 1.6952

Tritanomaly

12.2152, 6.6015, 1.3895

Monochromacy



Original Color

12.2856, 6.5569, 1.9846

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.4259, 3.9150, 3.1590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2856, 6.5569, 1.9846 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, 15, 32)` looks like.

```
.text, #text, p{  
    color:rgb(146, 15, 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(146, 15, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 15, 32) }
```

Border

The CSS property to change the border of an element to XYZ 12.2856, 6.5569, 1.9846 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, 15, 32) }
```


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

```
.border{ border-color:rgb(146, 15, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 15, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 15, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 15, 32);  
box-shadow:4px 4px 4px 4px rgb(146, 15,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2856, 6.5569, 1.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 15, 32) }
```

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

```
.background{ background-color: rgb(146, 15,  
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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