

Converting Colors

XYZ(12.9764, 6.9044, 1.8094)

Have a look what the booklet for
XYZ(12.9764, 6.9044, 1.8094)
contains.

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Color

**XYZ(12.9565, 6.8868,
1.8088)**

Conversions

Conversions Part 1

Format	Color
Hex	960E1D
RGB	150, 14, 29
RGB Percent	59%, 5%, 11%
CMY	0.4118, 0.9450, 0.8863
CMYK	0.00, 0.91, 0.81, 0.41
HSL	353°, 83%, 32%
HSV	353°, 91%, 59%
XYZ	12.9565, 6.8868, 1.8088
YIQ	56.3740, 76.2410, 33.4970

Conversions

Conversions Part 2

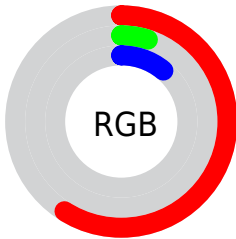
Format	Color
R _Y B	150, 14, 29
Decimal	9834013
CIE Lab	31.55, 52.38, 30.95
CIE LCh	32, 60.839, 30.575
Yxy	6.8868, 0.5984, 0.3181
Android (android.graphics.Color)	4288024093 (0xFF960E1D)
YUV	56.3740, -13.4954, 82.1100
Hunter-Lab	26.2427, 42.2039, 14.2833

Details

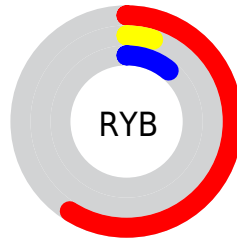
The XYZ color **12.9565, 6.8868, 1.8088** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.4620, 23.6558, 26.6787**, and the grayscale version is **3.8184, 4.0172, 4.3748**.

A 20% lighter version of the original color is **30.7910, 19.7787, 8.4981**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.6751, 6.5230, 1.1022**, and if you desaturate by 10%, it is **13.4416, 7.5332, 2.9688**.

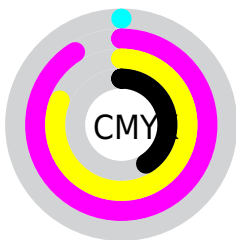
Distribution



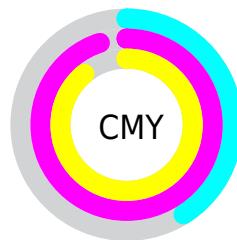
- Red (59%)
- Green (5%)
- Blue (11%)



- Red (59%)
- Yellow (5%)
- Blue (11%)



- Cyan (0%)
- Magenta (91%)
- Yellow (81%)
- Black (41%)



- Cyan (41%)
- Magenta (95%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9565, 6.8868, 1.8088 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 12.9565, 6.8868, 1.8088 by changing the saturation by 10% instead.

12.9565, 6.8868,
1.8088

12.9565, 6.8868,
1.8088

204.2819,
166.7197, 119.3334

7.4754, 3.3914,
0.4338

30.8276, 19.7451,
8.5112

3.8101, 1.3393,
0.0000

43.9483, 29.8768,
14.7669

1.5953, 0.1714,
0.0000

60.3462, 42.9894,
23.5171

0.3893, 0.0000,
0.0000


80.3867, 59.4673,
35.1803


0.0000, 0.0000,
0.0000


104.4352, 79.6949,
50.1749


132.8570,

104.0566, 68.9197


 166.0175,
132.9367, 91.8330


 12.9565, 6.8868,
1.8088


 12.9565, 6.8868,
1.8088


 12.6751, 6.5230,
1.1022

 13.4416, 7.5332,
2.9688

 14.1853, 8.5691,
4.6087

 15.2179, 10.0438,
6.7736

 16.5653, 11.9989,
9.5034

 18.2506, 14.4712,
12.8340

■ 20.2944, 17.4939,
16.7985

■ 22.7160, 21.0974,
21.4274

■ 25.5331, 25.3100,
26.7493

■ 28.7624, 30.1580,
32.7911

Harmonies

Analogous

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



14.2762, 6.8868, 7.3321



12.9565, 6.8868, 1.8088



9.8475, 6.8868, 0.0980

Triad

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



12.9565, 6.8868, 1.8088



2.6680, 6.8868, 1.9237



6.6044, 6.8868, 39.6454

Complementary

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



12.9565, 6.8868, 1.8088



15.4620, 23.6558, 26.6787

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.



4.0792, 6.8868, 33.4644



12.9565, 6.8868, 1.8088



2.2757, 6.8868, 7.6675

Square

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



12.9565, 6.8868, 1.8088



4.0057, 6.8868, 0.1407



2.7003, 6.8868, 19.5999



9.9812, 6.8868, 33.0120

Rectangle

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



12.9565, 6.8868, 1.8088



7.5474, 6.8868, 0.0000



2.7003, 6.8868, 19.5999



5.6368, 6.8868, 38.9680

Sweetspot

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



12.9567, 6.8872, 1.8089



37.0770, 32.7468, 32.0691



15.5153, 7.5960, 29.5024



7.9448, 6.8532, 6.5847



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.9567, 6.8872, 1.8089



22.3355, 11.4984, 1.7690



14.6136, 10.4290, 1.6588



5.8252, 5.8252, 6.1859



10.5191, 5.4127, 0.9488



0.1338, 0.0683, 0.0384

Inverse Universe

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



12.9567, 6.8872, 1.8089



22.3355, 11.4984, 1.7690



10.0421, 11.0071, 30.4493



5.8252, 5.8252, 6.1859



10.5191, 5.4127, 0.9488



0.1338, 0.0683, 0.0384

Previews

White Background



This preview shows how the XYZ color 12.9565, 6.8868, 1.8088 looks on a white background.

Color Contrast Check

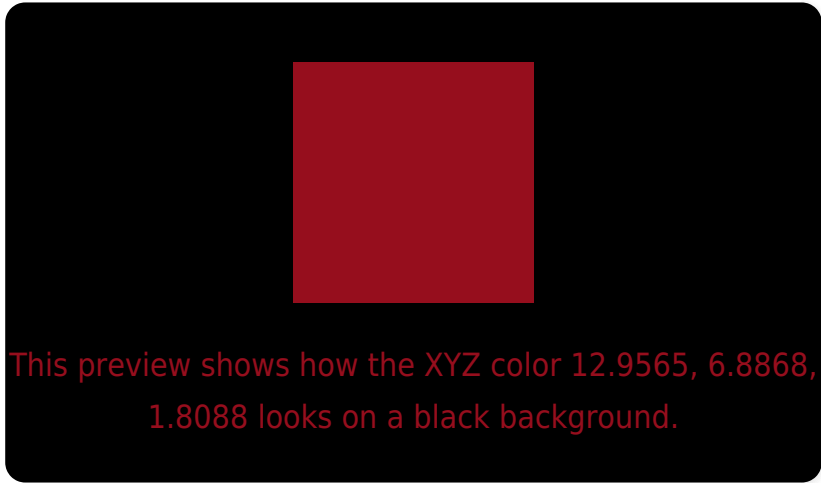
Large Text (above 18pt) WCAG AA ✓ Pass

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

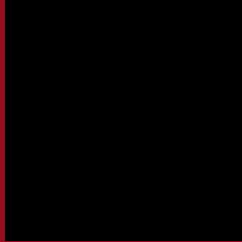
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9565, 6.8868, 1.8088

Background



This preview shows how black text looks on a background with the XYZ color 12.9565, 6.8868, 1.8088.



This preview shows how white text looks on a background with the XYZ color 12.9565, 6.8868,

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

12.9565, 6.8868, 1.8088

Protanopia

6.7837, 7.3820, 3.5500

Deuteranopia

7.3076, 7.2924, 1.5527



Tritanopia

12.8508, 6.9140, 1.0380

Trichromacy



Original Color

12.9565, 6.8868, 1.8088

Protanomaly

7.8697, 5.9730, 2.6576

Deuteranomaly

8.5658, 6.2231, 1.4592

Tritanomaly

12.8805, 6.9016, 1.2694

Monochromacy



Original Color

12.9565, 6.8868, 1.8088

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.5025, 3.9568, 3.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9565, 6.8868, 1.8088 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(150, 14, 29)` looks like.

```
.text, #text, p{  
    color:rgb(150, 14, 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(150, 14, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 14, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.9565, 6.8868, 1.8088 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(150, 14, 29) }
```


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

```
.border{ border-color:rgb(150, 14, 29) }
```

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

Here you see how a box with a 4 pixel rgb(150, 14, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 14, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 14, 29);  
box-shadow:4px 4px 4px 4px rgb(150, 14,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9565, 6.8868, 1.8088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 14, 29) }
```

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

```
.background{ background-color: rgb(150, 14,  
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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