

Converting Colors

XYZ(12.2515, 6.8712, 3.5197)

Have a look what the booklet for
XYZ(12.2515, 6.8712, 3.5197)
contains.

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Color

**XYZ(12.2764, 6.8835,
3.4779)**

Conversions

Conversions Part 1

Format	Color
Hex	8F1C30
RGB	143, 28, 48
RGB Percent	56%, 11%, 19%
CMY	0.4392, 0.8902, 0.8118
CMYK	0.00, 0.80, 0.66, 0.44
HSL	350°, 67%, 34%
HSV	350°, 80%, 56%
XYZ	12.2764, 6.8835, 3.4779
YIQ	64.6650, 62.1200, 30.6000

Conversions

Conversions Part 2

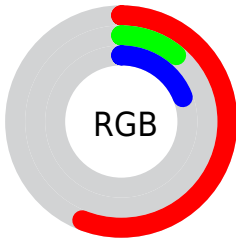
Format	Color
R_{YB}	143, 28, 48
Decimal	9378864
CIE Lab	31.54, 47.83, 18.51
CIE LCh	32, 51.286, 21.155
Yxy	6.8835, 0.5423, 0.3041
Android (android.graphics.Color)	4287568944 (0xFF8F1C30)
YUV	64.6650, -8.2158, 68.6998
Hunter-Lab	26.2364, 37.6090, 10.5060

Details

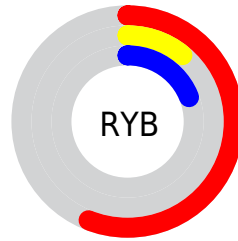
The XYZ color **12.2764, 6.8835, 3.4779** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.8772, 21.3220, 22.1257**, and the grayscale version is **4.9795, 5.2388, 5.7051**.

A 20% lighter version of the original color is **29.5478, 19.7054, 12.8358**, and **3.8432, 1.9806, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **11.8020, 6.2744, 2.2731**, and if you desaturate by 10%, it is **12.9773, 7.8418, 5.0789**.

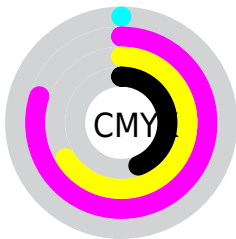
Distribution



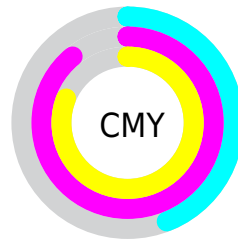
- Red (56%)
- Green (11%)
- Blue (19%)



- Red (56%)
- Yellow (11%)
- Blue (19%)



- Cyan (0%)
- Magenta (80%)
- Yellow (66%)
- Black (44%)



- Cyan (44%)
- Magenta (89%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2764, 6.8835, 3.4779 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 12.2764, 6.8835, 3.4779 by changing the saturation by 10% instead.

12.2764, 6.8835,
3.4779

12.2764, 6.8835,
3.4779

199.9594,
166.6921, 142.2323

7.0057, 3.3893,
1.3435

29.6100, 19.7385,
12.7865

3.5121, 1.3382,
0.0971

42.4037, 29.8681,
20.7979

1.4300, 0.1705,
0.0000

58.4358, 42.9783,
31.6053

0.2774, 0.0000,
0.0000

78.0716, 59.4535,
45.6273

0.0000, 0.0000,
0.0000

101.6765, 79.6780,
63.2825

129.6159,

104.0364, 84.9893

162.2551,
132.9130, 111.1664

12.2764, 6.8835,
3.4779

12.2764, 6.8835,
3.4779

11.8020, 6.2744,
2.2731

12.9773, 7.8418,
5.0789

11.5016, 5.9092,
1.4462

13.9290, 9.1903,
7.1072

15.1535, 10.9658,
9.5913

16.6697, 13.2003,
12.5568

18.4953, 15.9229,
16.0277

■ 20.6461, 19.1601,
20.0261

■ 23.1371, 22.9367,
24.5730

■ 25.9824, 27.2757,
29.6881

■ 29.1951, 32.1988,
35.3902

Harmonies

Analogous

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



12.6958, 6.8835, 9.8730



12.2764, 6.8835, 3.4779



10.1327, 6.8835, 1.0100

Triad

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



12.2764, 6.8835, 3.4779



3.4139, 6.8835, 1.6808



5.8159, 6.8835, 31.7620

Complementary

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



12.2764, 6.8835, 3.4779



13.8772, 21.3220, 22.1257

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.



3.9198, 6.8835, 24.6593



12.2764, 6.8835, 3.4779



2.7900, 6.8835, 5.5332

Square

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



12.2764, 6.8835, 3.4779



4.9250, 6.8835, 0.4580



2.9474, 6.8835, 13.8050



8.4803, 6.8835, 29.7609

Rectangle

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



12.2764, 6.8835, 3.4779



8.2610, 6.8835, 0.4085



2.9474, 6.8835, 13.8050



5.0806, 6.8835, 30.2499

Sweetspot

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



12.2766, 6.8839, 3.4780



35.3252, 31.8254, 32.8159



13.3877, 6.9456, 26.6214



7.8199, 6.8757, 7.0024



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.



12.2766, 6.8839, 3.4780



20.7252, 10.7628, 2.8626



13.3946, 9.6381, 2.2535



5.4448, 5.4384, 5.8403



10.1755, 5.2272, 1.3096



0.1030, 0.0523, 0.0429

Inverse Universe

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



12.2766, 6.8839, 3.4780



20.7252, 10.7628, 2.8626



10.6516, 12.6594, 27.8685



5.4448, 5.4384, 5.8403



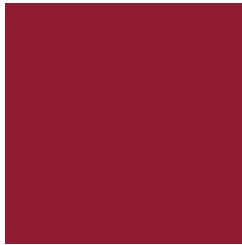
10.1755, 5.2272, 1.3096



0.1030, 0.0523, 0.0429

Previews

White Background



This preview shows how the XYZ color 12.2764, 6.8835, 3.4779 looks on a white background.

Color Contrast Check

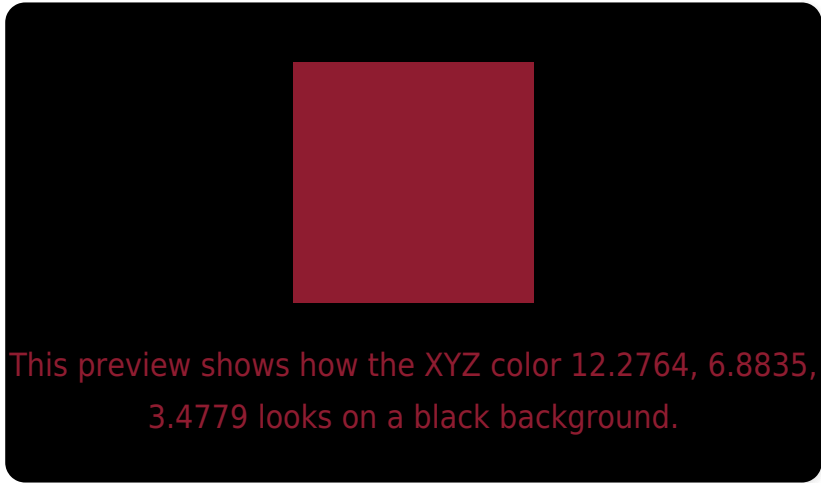
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2764, 6.8835, 3.4779

Background



This preview shows how black text looks on a background with the XYZ color 12.2764, 6.8835, 3.4779.



This preview shows how white text looks on a background with the XYZ color 12.2764, 6.8835,

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

12.2764, 6.8835, 3.4779

Protanopia

6.8220, 7.2364, 6.3474

Deuteranopia

7.2495, 7.1291, 3.1844



Tritanopia

11.9060, 6.8350, 2.0583

Trichromacy



Original Color

12.2764, 6.8835, 3.4779

Protanomaly

7.8591, 6.2790, 5.0727

Deuteranomaly

8.4243, 6.3897, 3.1722

Tritanomaly

11.9695, 6.8193, 2.5191

Monochromacy



Original Color

12.2764, 6.8835, 3.4779

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.5316, 5.0989, 4.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2764, 6.8835, 3.4779 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(143, 28, 48)` looks like.

```
.text, #text, p{  
    color:rgb(143, 28, 48)  
}
```

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(143, 28, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 28, 48) }
```

Border

The CSS property to change the border of an element to XYZ 12.2764, 6.8835, 3.4779 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(143, 28, 48) }
```


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

```
.border{ border-color:rgb(143, 28, 48) }
```

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

Here you see how a box with a 4 pixel rgb(143, 28, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 28, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 28, 48);  
box-shadow:4px 4px 4px 4px rgb(143, 28,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2764, 6.8835, 3.4779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 28, 48) }
```

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

```
.background{ background-color: rgb(143, 28,  
48) }
```

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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