

Converting Colors

XYZ(24.8378, 16.0888, 7.9037)

Have a look what the booklet for
XYZ(24.8378, 16.0888, 7.9037)
contains.

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Color

**XYZ(24.9729, 16.1790,
7.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4848
RGB	191, 72, 72
RGB Percent	75%, 28%, 28%
CMY	0.2510, 0.7176, 0.7176
CMYK	0.00, 0.62, 0.62, 0.25
HSL	0°, 48%, 52%
HSV	0°, 62%, 75%
XYZ	24.9729, 16.1790, 7.9375
YIQ	107.5810, 70.9240, 25.2280

Conversions

Conversions Part 2

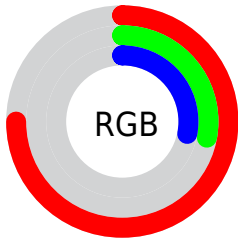
Format	Color
R_{YB}	191, 72, 72
Decimal	12535880
CIE Lab	47.21, 47.79, 25.43
CIE LCh	47, 54.138, 28.018
Yxy	16.1790, 0.5087, 0.3296
Android (android.graphics.Color)	4290725960 (0xFFBF4848)
YUV	107.5810, -17.5414, 73.1585
Hunter-Lab	40.2231, 40.4329, 16.4561

Details

The XYZ color **24.9729, 16.1790, 7.9375** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **30.7055, 42.3974, 55.8550**, and the grayscale version is **14.1710, 14.9090, 16.2359**.

A 20% lighter version of the original color is **51.0569, 36.9976, 22.5394**, and **9.6782, 5.1262, 1.5780** is the 20% darker color. If you saturate the color by 10%, you get **23.3950, 13.8703, 4.8004**, and if you desaturate by 10%, it is **27.1286, 19.3338, 12.2222**.

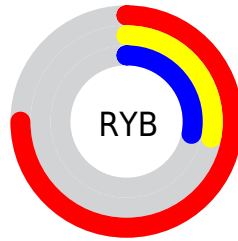
Distribution



Red (75%)

Green (28%)

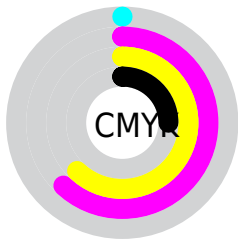
Blue (28%)



Red (75%)

Yellow (28%)

Blue (28%)

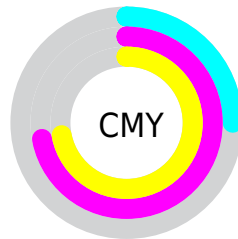


Cyan (0%)

Magenta (62%)

Yellow (62%)

Black (25%)



Cyan (25%)

Magenta (72%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9729, 16.1790, 7.9375 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 24.9729, 16.1790, 7.9375 by changing the saturation by 10% instead.

■ 24.9729, 16.1790,
7.9375

■ 24.9729, 16.1790,
7.9375

270.0531,
230.3957, 185.1572

■ 16.1855, 9.6509,
3.9678

■ 51.0565, 36.9087,
22.3800

■ 9.7472, 5.1681,
1.6077

■ 69.0833, 51.8791,
33.6898

■ 5.2926, 2.3462,
0.2963

■ 90.9207, 70.4323,
48.2834

■ 2.4565, 0.7980,
0.0000

■ 116.9340, 92.9528,
66.5794

■ 0.8734, 0.0000,
0.0000

■ 147.4885,
119.8251, 88.9962

■ 0.0000, 0.0000,
0.0000

182.9496,

151.4333, 115.9524

223.6827,
188.1621, 147.8666

■ 24.9729, 16.1790,
7.9375

■ 24.9729, 16.1790,
7.9375

■ 23.3950, 13.8703,
4.8004

■ 27.1286, 19.3338,
12.2222

■ 22.3382, 12.3239,
2.6997

■ 29.9092, 23.4027,
17.7499

■ 21.7366, 11.4435,
1.5040

■ 33.3585, 28.4500,
24.6069

■ 21.4858, 11.0765,
1.0056

■ 37.5159, 34.5335,
32.8717

■ 42.4179, 41.7064,
42.6166

■ 48.0982, 50.0184,
53.9090

■ 54.5888, 59.5158,
66.8122

■ 61.9196, 70.2428,
81.3859

■ 70.1192, 82.2411,
97.6867

Harmonies

Analogous

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



26.4790, 16.1790, 18.5397



24.9729, 16.1790, 7.9375



20.7619, 16.1790, 3.4128

Triad

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



24.9729, 16.1790, 7.9375



8.8389, 16.1790, 7.0488



15.0628, 16.1790, 59.0365

Complementary

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



24.9729, 16.1790, 7.9375



30.7055, 42.3974, 55.8550

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.



11.0154, 16.1790, 50.5865



24.9729, 16.1790, 7.9375



7.9151, 16.1790, 16.7239

Square

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



24.9729, 16.1790, 7.9375



11.4609, 16.1790, 3.1178



8.6216, 16.1790, 33.0509



20.0984, 16.1790, 52.4428

Rectangle

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



24.9729, 16.1790, 7.9375



17.3603, 16.1790, 2.3929



8.6216, 16.1790, 33.0509



13.5520, 16.1790, 57.7995

Sweetspot

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



24.9733, 16.1799, 7.9378



69.6849, 65.4984, 63.8301



33.2070, 19.4726, 51.2983



14.7736, 13.6094, 12.9657



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.9733, 16.1799, 7.9378



41.0608, 23.6127, 6.9276



30.8390, 27.9114, 9.8930



9.5302, 9.5365, 9.9151



14.1203, 7.2795, 0.6609



0.5531, 0.2852, 0.0259

Inverse Universe

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



30.7055, 42.3974, 55.8550



52.1834, 74.4847, 99.9058



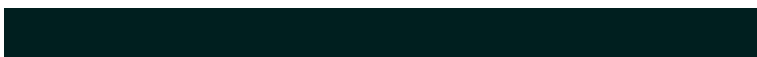
20.2600, 21.5065, 52.3732



9.8086, 10.8095, 12.2417



18.4224, 26.9566, 36.6251



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 24.9729, 16.1790, 7.9375 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 × Fail

Black Background



This preview shows how the XYZ color 24.9729, 16.1790, 7.9375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9729, 16.1790, 7.9375

Background



This preview shows how black text looks on a background with the XYZ color 24.9729, 16.1790, 7.9375.



This preview shows how white text looks on a background with the XYZ color 24.9729, 16.1790,

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

24.9729, 16.1790, 7.9375

Protanopia

15.3431, 16.3027, 11.7893

Deuteranopia

16.5576, 16.2271, 7.4137



Tritanopia

25.0436, 16.1046, 8.6260

Trichromacy



Original Color

24.9729, 16.1790, 7.9375

Protanomaly

17.6901, 15.2849, 10.2015

Deuteranomaly

18.9507, 15.5909, 7.4794

Tritanomaly

25.0091, 16.0908, 8.4443

Monochromacy



Original Color

24.9729, 16.1790, 7.9375

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.6390, 14.4139, 12.7317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9729, 16.1790, 7.9375 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(191, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(191, 72, 72)  
}
```

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(191, 72, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 72, 72) }
```

Border

The CSS property to change the border of an element to XYZ 24.9729, 16.1790, 7.9375 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(191, 72, 72) }
```


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

```
.border{ border-color:rgb(191, 72, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 72, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 72, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 72, 72);  
box-shadow:4px 4px 4px 4px rgb(191, 72,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9729, 16.1790, 7.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 72, 72) }
```

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

```
.background{ background-color: rgb(191, 72,  
72) }
```

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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