

Converting Colors

XYZ(24.8712, 17.2158, 6.8434)

Have a look what the booklet for
XYZ(24.8712, 17.2158, 6.8434)
contains.

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Color

**XYZ(24.9290, 17.2236,
6.8611)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5240
RGB	189, 82, 64
RGB Percent	74%, 32%, 25%
CMY	0.2588, 0.6784, 0.7490
CMYK	0.00, 0.57, 0.66, 0.26
HSL	9°, 49%, 50%
HSV	9°, 66%, 74%
XYZ	24.9290, 17.2236, 6.8611
YIQ	111.9410, 69.5500, 17.0860

Conversions

Conversions Part 2

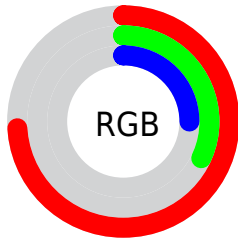
Format	Color
RYB	189, 85, 64
Decimal	12407360
CIELab	48.54, 41.86, 31.69
CIElCh	49, 52.505, 37.125
Yxy	17.2236, 0.5086, 0.3514
Android (android.graphics.Color)	4290597440 (0xFFBD5240)
YUV	111.9410, -23.6349, 67.5807
Hunter-Lab	41.5013, 34.5940, 19.2490

Details

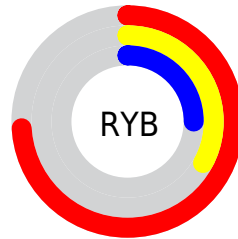
The XYZ color **24.9290, 17.2236, 6.8611** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.8614, 33.8876, 53.3218**, and the grayscale version is **15.4373, 16.2412, 17.6867**.

A 20% lighter version of the original color is **51.0129, 38.8218, 20.1339**, and **9.7716, 5.6751, 1.2422** is the 20% darker color. If you saturate the color by 10%, you get **23.4000, 14.8855, 4.1327**, and if you desaturate by 10%, it is **26.9286, 20.2117, 10.6455**.

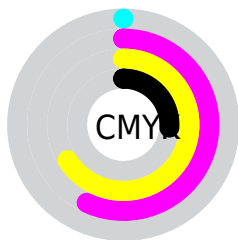
Distribution



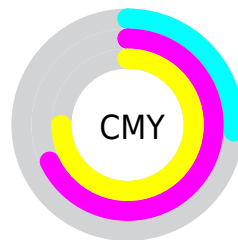
- Red (74%)
- Green (32%)
- Blue (25%)



- Red (74%)
- Yellow (33%)
- Blue (25%)



- Cyan (0%)
- Magenta (57%)
- Yellow (66%)
- Black (26%)





- Cyan (26%)
- Magenta (68%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9290, 17.2236, 6.8611 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 24.9290, 17.2236, 6.8611 by changing the saturation by 10% instead.


 24.9290, 17.2236,
6.8611


 24.9290, 17.2236,
6.8611


269.8383,
236.4576, 176.0914

 16.1526, 10.3940,
3.2983


 50.9857, 38.7098,
20.2013


 9.7237, 5.6610,
1.2489


 68.9968, 54.1353,
30.8158

 5.2770, 2.6401,
0.0193

 90.8168, 73.1948,
44.6179

 2.4471, 0.9468,
0.0000

 116.8111, 96.2728,
62.0261

 0.8687, 0.0000,
0.0000

 147.3451,
123.7537, 83.4590

 0.0000, 0.0000,
0.0000

 182.7840,

156.0219, 109.3352

223.4933,
193.4617, 140.0732

■ 24.9290, 17.2236,
6.8611

■ 24.9290, 17.2236,
6.8611

■ 23.4000, 14.8855,
4.1327

■ 26.9286, 20.2117,
10.6455

■ 22.3006, 13.1458,
2.3511

■ 29.4328, 23.8905,
15.5787

■ 21.5833, 11.9490,
1.3785

■ 32.4736, 28.3010,
21.7442

■ 21.3833, 11.6130,
1.1145

■ 36.0801, 33.4799,
29.2176

■ 40.2793, 39.4615,
38.0681

■ 45.0964, 46.2780,
48.3604

■ 50.5552, 53.9599,
60.1550

■ 56.6781, 62.5361,
73.5087

■ 63.4865, 72.0342,
88.4756

Harmonies

Analogous

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



27.3982, 17.2236, 15.6498



24.9290, 17.2236, 6.8611



20.2445, 17.2236, 3.3872

Triad

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



24.9290, 17.2236, 6.8611



9.2293, 17.2236, 10.2114



17.5473, 17.2236, 59.3528

Complementary

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



24.9290, 17.2236, 6.8611



25.8614, 33.8876, 53.3218

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.



13.0253, 17.2236, 55.3861



24.9290, 17.2236, 6.8611



8.7879, 17.2236, 22.2427

Square

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



24.9290, 17.2236, 6.8611



11.3891, 17.2236, 4.5519



10.0364, 17.2236, 39.7718



22.6265, 17.2236, 48.8810

Rectangle

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



24.9290, 17.2236, 6.8611



16.8398, 17.2236, 2.7722



10.0364, 17.2236, 39.7718



15.9100, 17.2236, 59.7234

Sweetspot

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



24.9294, 17.2245, 6.8614



68.8626, 66.0159, 61.2420



30.2980, 17.4770, 40.9742



14.3580, 13.5543, 12.2210



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.9294, 17.2245, 6.8614



41.0082, 25.2495, 5.8916



31.7591, 30.8840, 9.1380



9.6381, 9.7522, 9.9510



14.4222, 7.8831, 0.7615



0.6009, 0.3808, 0.0418

Inverse Universe

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



25.8614, 33.8876, 53.3218



42.6348, 56.8908, 94.9601



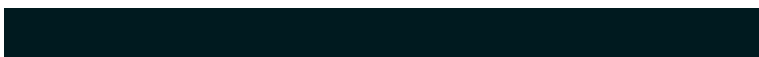
16.8577, 15.8802, 50.3205



9.6883, 10.5689, 12.2016



14.8897, 19.8911, 35.4475



0.6157, 0.8442, 1.3993

Previews

White Background



This preview shows how the XYZ color 24.9290, 17.2236, 6.8611 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 24.9290, 17.2236, 6.8611 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 24.9290, 17.2236, 6.8611

Background



This preview shows how black text looks on a background with the XYZ color 24.9290, 17.2236, 6.8611.



This preview shows how white text looks on a background with the XYZ color 24.9290, 17.2236,

6.8611.

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

24.9290, 17.2236, 6.8611

Protanopia

16.1541, 17.4482, 9.3539

Deuteranopia

17.6673, 17.2970, 6.4105



Tritanopia

25.6314, 17.1792, 10.3525

Trichromacy



Original Color

24.9290, 17.2236, 6.8611

Protanomaly

18.5144, 16.7581, 8.3897

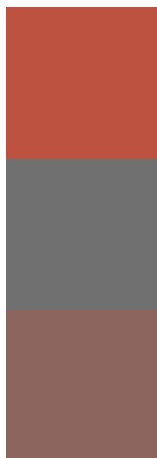
Deuteranomaly

19.8700, 16.9142, 6.4925

Tritanomaly

25.4434, 17.2203, 9.0040

Monochromacy



Original Color

24.9290, 17.2236, 6.8611

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.5345, 15.7090, 12.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9290, 17.2236, 6.8611 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(189, 82, 64)` looks like.

```
.text, #text, p{  
    color:rgb(189, 82, 64)  
}
```

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(189, 82, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 82, 64) }
```

Border

The CSS property to change the border of an element to XYZ 24.9290, 17.2236, 6.8611 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(189, 82, 64) }
```


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

```
.border{ border-color:rgb(189, 82, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 82, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 82, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 82, 64);  
box-shadow:4px 4px 4px 4px rgb(189, 82,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9290, 17.2236, 6.8611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 82, 64) }
```

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

```
.background{ background-color: rgb(189, 82,  
64) }
```

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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