

Converting Colors

XYZ(23.9972, 13.5658, 7.4490)

Have a look what the booklet for
XYZ(23.9972, 13.5658, 7.4490)
contains.

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Color

**XYZ(24.0627, 13.6067,
7.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	C12C48
RGB	193, 44, 72
RGB Percent	76%, 17%, 28%
CMY	0.2431, 0.8274, 0.7176
CMYK	0.00, 0.77, 0.63, 0.24
HSL	349°, 63%, 46%
HSV	349°, 77%, 76%
XYZ	24.0627, 13.6067, 7.4890
YIQ	91.7430, 79.8160, 40.2960

Conversions

Conversions Part 2

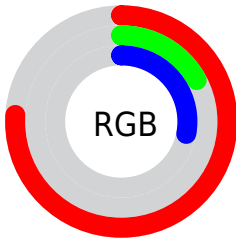
Format	Color
R_{YB}	193, 44, 72
Decimal	12659784
CIE Lab	43.66, 59.13, 20.92
CIE LCh	44, 62.727, 19.486
Yxy	13.6067, 0.5329, 0.3013
Android (android.graphics.Color)	4290849864 (0xFFC12C48)
YUV	91.7430, -9.7333, 88.8024
Hunter-Lab	36.8873, 51.8884, 13.7838

Details

The XYZ color **24.0627, 13.6067, 7.4890** is a dark color, and the websafe version is hex **990033**. The color can be described as dark muted red. A complement of this color would be **26.9016, 41.3925, 42.1741**, and the grayscale version is **10.1235, 10.6507, 11.5986**.

A 20% lighter version of the original color is **49.4804, 32.3166, 21.3991**, and **9.7375, 4.9942, 1.6132** is the 20% darker color. If you saturate the color by 10%, you get **23.0555, 12.3091, 4.9441**, and if you desaturate by 10%, it is **25.5350, 15.6262, 10.8323**.

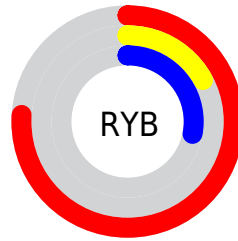
Distribution



Red (76%)

Green (17%)

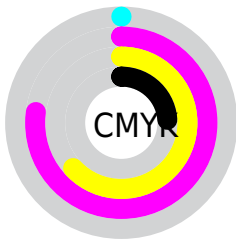
Blue (28%)



Red (76%)

Yellow (17%)

Blue (28%)

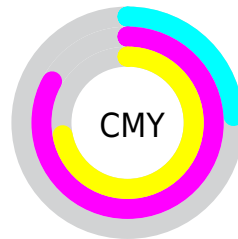


Cyan (0%)

Magenta (77%)

Yellow (63%)

Black (24%)



Cyan (24%)


Magenta (83%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0627, 13.6067, 7.4890 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 24.0627, 13.6067, 7.4890 by changing the saturation by 10% instead.


 24.0627, 13.6067,
7.4890


 24.0627, 13.6067,
7.4890


265.5719,
214.7702, 181.4495

 15.5051, 7.8476,
3.6867


 49.5864, 32.3895,
21.4798


 9.2633, 3.9976,
1.4551


 67.2833, 46.1821,
32.5054

 4.9718, 1.6722,
0.1841

 88.7573, 63.4212,
46.7758

 2.2653, 0.4056,
0.0000

 114.3738, 84.4914,
64.7096

 0.7768, 0.0000,
0.0000

 144.4982,
109.7770, 86.7253

 0.0000, 0.0000,
0.0000

 179.4957,

139.6624, 113.2415

219.7319,
174.5320, 144.6767

■ 24.0627, 13.6067,
7.4890

■ 24.0627, 13.6067,
7.4890

■ 23.0555, 12.3091,
4.9441

■ 25.5350, 15.6262,
10.8323

■ 22.4451, 11.6125,
3.1246

■ 27.5215, 18.4509,
15.0348

■ 22.3146, 11.4663,
2.7268

■ 30.0660, 22.1552,
20.1518

■ 33.2072, 26.8043,
26.2337

■ 36.9802, 32.4574,
33.3272

■ 41.4175, 39.1685,
41.4759

■ 46.5492, 46.9880,
50.7208

■ 52.4037, 55.9631,
61.1007

■ 59.0077, 66.1381,
72.6525

Harmonies

Analogous

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



24.6469, 13.6067, 20.3317



24.0627, 13.6067, 7.4890



20.1061, 13.6067, 2.2868

Triad

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



24.0627, 13.6067, 7.4890



6.9899, 13.6067, 3.2624



11.2816, 13.6067, 60.6315

Complementary

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



24.0627, 13.6067, 7.4890



26.9016, 41.3925, 42.1741

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.



7.7077, 13.6067, 46.4476



24.0627, 13.6067, 7.4890



5.6813, 13.6067, 10.3997

Square

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



24.0627, 13.6067, 7.4890



10.0259, 13.6067, 1.1385



5.9056, 13.6067, 25.8196



16.3533, 13.6067, 57.8673

Rectangle

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



24.0627, 13.6067, 7.4890



16.5406, 13.6067, 1.1688



5.9056, 13.6067, 25.8196



9.8918, 13.6067, 57.4556

Sweetspot

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



24.0630, 13.6075, 7.4892



69.1370, 62.5132, 65.0602



25.6723, 13.4603, 51.6968



14.2394, 12.5169, 12.8618



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.



24.0630, 13.6075, 7.4892



40.4431, 21.0605, 6.3700



25.9952, 18.6156, 4.6071



10.1488, 10.1081, 10.8740



14.8641, 7.6354, 1.9307



0.6661, 0.3395, 0.2092

Inverse Universe

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



24.0630, 13.6075, 7.4892



40.4431, 21.0605, 6.3700



21.3023, 25.6610, 54.2821



10.1488, 10.1081, 10.8740



14.8641, 7.6354, 1.9307



0.6661, 0.3395, 0.2092

Previews

White Background



This preview shows how the XYZ color 24.0627, 13.6067, 7.4890 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



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 24.0627, 13.6067, 7.4890

Background



This preview shows how black text looks on a background with the XYZ color 24.0627, 13.6067, 7.4890.



This preview shows how white text looks on a background with the XYZ color 24.0627, 13.6067,

7.4890.

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

24.0627, 13.6067, 7.4890

Protanopia

13.3393, 13.9706, 13.5488

Deuteranopia

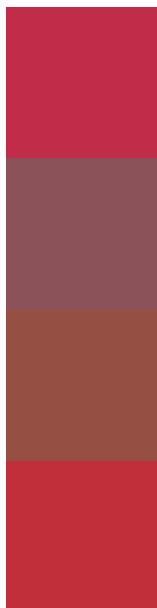
13.9914, 13.7295, 6.7631



Tritanopia

23.4123, 13.6334, 4.4152

Trichromacy



Original Color

24.0627, 13.6067, 7.4890

Protanomaly

15.4679, 12.2448, 10.9994

Deuteranomaly

16.3868, 12.4812, 6.8556

Tritanomaly

23.5185, 13.5450, 5.3779

Monochromacy



Original Color

24.0627, 13.6067, 7.4890

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.2090, 10.3552, 9.8969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0627, 13.6067, 7.4890 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(193, 44, 72)` looks like.

```
.text, #text, p{  
    color:rgb(193, 44, 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(193, 44, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 44, 72) }
```

Border

The CSS property to change the border of an element to XYZ 24.0627, 13.6067, 7.4890 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(193, 44, 72) }
```


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

```
.border{ border-color:rgb(193, 44, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 44, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 44, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 44, 72);  
box-shadow:4px 4px 4px 4px rgb(193, 44,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0627, 13.6067, 7.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 44, 72) }
```

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

```
.background{ background-color: rgb(193, 44,  
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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