

Converting Colors

XYZ(24.0929, 14.0526, 4.4704)

Have a look what the booklet for
XYZ(24.0929, 14.0526, 4.4704)
contains.

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Color

**XYZ(23.9645, 13.9808,
4.4531)**

Conversions

Conversions Part 1

Format	Color
Hex	C23232
RGB	194, 50, 50
RGB Percent	76%, 20%, 20%
CMY	0.2392, 0.8039, 0.8039
CMYK	0.00, 0.74, 0.74, 0.24
HSL	0°, 59%, 48%
HSV	0°, 74%, 76%
XYZ	23.9645, 13.9808, 4.4531
YIQ	93.0560, 85.8240, 30.5280

Conversions

Conversions Part 2

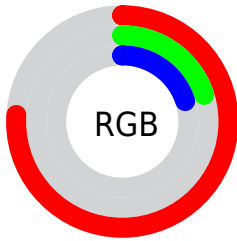
Format	Color
R_{YB}	194, 50, 50
Decimal	12726834
CIE Lab	44.21, 56.37, 34.90
CIE LCh	44, 66.295, 31.760
Yxy	13.9808, 0.5652, 0.3297
Android (android.graphics.Color)	4290916914 (0xFFC23232)
YUV	93.0560, -21.2266, 88.5279
Hunter-Lab	37.3909, 48.9697, 19.1124

Details

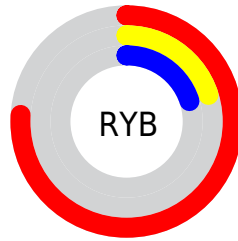
The XYZ color **23.9645, 13.9808, 4.4531** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **30.3426, 43.1524, 57.7688**, and the grayscale version is **10.4524, 10.9968, 11.9755**.

A 20% lighter version of the original color is **48.6554, 32.6385, 15.0447**, and **9.5486, 4.9187, 0.6184** is the 20% darker color. If you saturate the color by 10%, you get **22.9700, 12.5259, 2.4760**, and if you desaturate by 10%, it is **25.4881, 16.2106, 7.4812**.

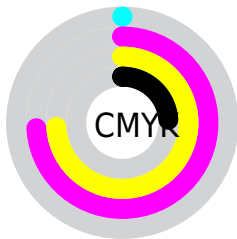
Distribution



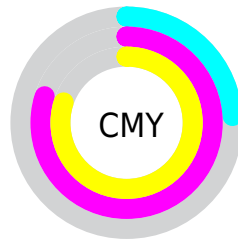
- Red (76%)
- Green (20%)
- Blue (20%)



- Red (76%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (74%)
- Yellow (74%)
- Black (24%)





- Cyan (24%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9645, 13.9808, 4.4531 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 23.9645, 13.9808, 4.4531 by changing the saturation by 10% instead.


 23.9645, 13.9808,
4.4531


 23.9645, 13.9808,
4.4531


265.0848,
217.1114, 153.1358


 15.4319, 8.1073,
1.8771


 49.4274, 33.0550,
15.0420


 9.2113, 4.1637,
0.4781


 67.0883, 47.0244,
23.8918

 4.9375, 1.7655,
0.0000

 88.5228, 64.4613,
35.6701

 2.2450, 0.4656,
0.0000

 114.0960, 85.7501,
50.7953

 0.7663, 0.0000,
0.0000

 144.1735,
111.2750, 69.6859

 0.0000, 0.0000,
0.0000

 179.1206,

141.4207, 92.7605

219.3025,
176.5713, 120.4376

■ 23.9645, 13.9808,
4.4531

■ 23.9645, 13.9808,
4.4531

■ 22.9700, 12.5259,
2.4760

■ 25.4881, 16.2106,
7.4812

■ 22.4318, 11.7382,
1.4061

■ 27.5992, 19.2999,
11.6779

■ 22.2482, 11.4696,
1.0412

■ 30.3498, 23.3249,
17.1459

■ 33.7858, 28.3527,
23.9764

■ 37.9488, 34.4444,
32.2522

■ 42.8772, 41.6561,
42.0498

■ 48.6067, 50.0399,
53.4400

■ 55.1708, 59.6449,
66.4893

■ 62.6009, 70.5172,
81.2603

Harmonies

Analogous

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



26.2881, 13.9808, 14.3443



23.9645, 13.9808, 4.4531



18.7130, 13.9808, 1.2735

Triad

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



23.9645, 13.9808, 4.4531



6.1841, 13.9808, 5.1725



13.6036, 13.9808, 66.9455

Complementary

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



23.9645, 13.9808, 4.4531



30.3426, 43.1524, 57.7688

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.



9.0286, 13.9808, 58.0863



23.9645, 13.9808, 4.4531



5.4870, 13.9808, 16.1363

Square

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



23.9645, 13.9808, 4.4531



8.6163, 13.9808, 1.4526



6.3739, 13.9808, 36.3143



19.4020, 13.9808, 55.9260

Rectangle

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



23.9645, 13.9808, 4.4531



14.8020, 13.9808, 0.7415



6.3739, 13.9808, 36.3143



11.8816, 13.9808, 66.1772

Sweetspot

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



23.9648, 13.9816, 4.4533



70.3228, 64.7004, 61.5519



33.1262, 17.6456, 52.6987



14.8973, 13.4331, 12.4799



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.9648, 13.9816, 4.4533



40.9251, 21.6826, 3.1124



29.7833, 25.6187, 6.3928



10.0733, 10.0780, 10.4762



14.6276, 7.5410, 0.6846



0.6320, 0.3259, 0.0296

Inverse Universe

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



30.3426, 43.1524, 57.7688



53.0620, 77.1951, 104.5733



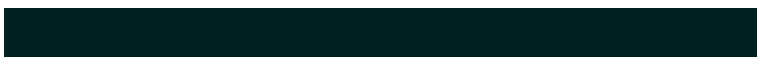
18.0125, 18.4922, 53.6588



10.3685, 11.4284, 12.9442



19.0842, 27.9248, 37.9408



0.8246, 1.2066, 1.6393

Previews

White Background



This preview shows how the XYZ color 23.9645, 13.9808, 4.4531 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 23.9645, 13.9808, 4.4531 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 23.9645, 13.9808, 4.4531

Background



This preview shows how black text looks on a background with the XYZ color 23.9645, 13.9808, 4.4531.



This preview shows how white text looks on a background with the XYZ color 23.9645, 13.9808,

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

23.9645, 13.9808, 4.4531

Protanopia

13.1652, 14.1653, 7.5091

Deuteranopia

14.3175, 14.0997, 4.0647



Tritanopia

23.9863, 13.9896, 4.5680

Trichromacy



Original Color

23.9645, 13.9808, 4.4531

Protanomaly

15.5924, 12.7632, 6.0566

Deuteranomaly

16.7983, 13.0865, 4.0234

Tritanomaly

23.9863, 13.9896, 4.5680

Monochromacy



Original Color

23.9645, 13.9808, 4.4531

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.1994, 10.5894, 8.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9645, 13.9808, 4.4531 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(194, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(194, 50, 50)  
}
```

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(194, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 50, 50) }
```

Border

The CSS property to change the border of an element to XYZ 23.9645, 13.9808, 4.4531 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(194, 50, 50) }
```


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

```
.border{ border-color:rgb(194, 50, 50) }
```

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

Here you see how a box with a 4 pixel rgb(194, 50, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(194, 50,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9645, 13.9808, 4.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 50, 50) }
```

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

```
.background{ background-color: rgb(194, 50,  
50) }
```

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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