

Converting Colors

XYZ(23.2568, 13.3503, 3.8767)

Have a look what the booklet for
XYZ(23.2568, 13.3503, 3.8767)
contains.

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Color

**XYZ(23.1503, 13.2727,
3.8244)**

Conversions

Conversions Part 1

Format	Color
Hex	C02D2D
RGB	192, 45, 45
RGB Percent	75%, 18%, 18%
CMY	0.2471, 0.8235, 0.8235
CMYK	0.00, 0.77, 0.77, 0.25
HSL	0°, 62%, 46%
HSV	0°, 77%, 75%
XYZ	23.1503, 13.2727, 3.8244
YIQ	88.9530, 87.6120, 31.1640

Conversions

Conversions Part 2

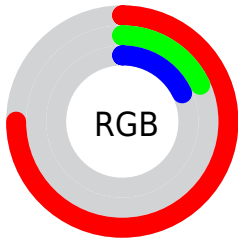
Format	Color
RYB	192, 45, 45
Decimal	12594477
CIELab	43.17, 57.21, 36.52
CIElCh	43, 67.870, 32.555
Yxy	13.2727, 0.5752, 0.3298
Android (android.graphics.Color)	4290784557 (0xFFC02D2D)
YUV	88.9530, -21.6688, 90.3722
Hunter-Lab	36.4317, 49.6712, 19.2783

Details

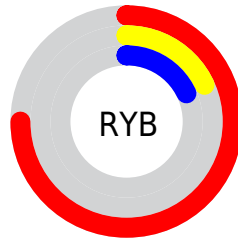
The XYZ color **23.1503, 13.2727, 3.8244** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **29.4439, 42.0583, 56.4351**, and the grayscale version is **9.5190, 10.0147, 10.9060**.

A 20% lighter version of the original color is **47.9786, 31.7158, 13.4905**, and **9.2059, 4.7458, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **22.2876, 12.0106, 2.1093**, and if you desaturate by 10%, it is **24.5145, 15.2694, 6.5358**.

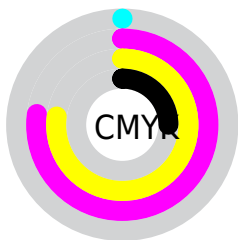
Distribution



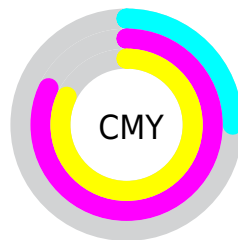
- Red (75%)
- Green (18%)
- Blue (18%)



- Red (75%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (77%)
- Yellow (77%)
- Black (25%)





- Cyan (25%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1503, 13.2727, 3.8244 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 23.1503, 13.2727, 3.8244 by changing the saturation by 10% instead.


 23.1503, 13.2727,
3.8244

 23.1503, 13.2727,
3.8244


261.0170,
212.6580, 146.2531


 14.8258, 7.6166,
1.5295


 48.1048, 31.7928,
13.6027


 8.7828, 3.8506,
0.2398


 65.4656, 45.4257,
21.9232

 4.6557, 1.5904,
0.0000

 86.5692, 62.4862,
33.0893

 2.0794, 0.3511,
0.0000

 111.7810, 83.3588,
47.5196

 0.6780, 0.0000,
0.0000

 141.4663,
108.4279, 65.6326

 0.0000, 0.0000,
0.0000

 175.9905,

138.0779, 87.8468

215.7189,
172.6931, 114.5808

■ 23.1503, 13.2727,
3.8244

■ 23.1503, 13.2727,
3.8244

■ 22.2876, 12.0106,
2.1093

■ 24.5145, 15.2694,
6.5358

■ 21.8461, 11.3644,
1.2317

■ 26.4396, 18.0864,
10.3625

■ 21.7383, 11.2067,
1.0174

■ 28.9776, 21.8002,
15.4078

■ 32.1743, 26.4780,
21.7627

■ 36.0714, 32.1805,
29.5099

■ 40.7069, 38.9635,
38.7251

■ 46.1161, 46.8787,
49.4785

■ 52.3321, 55.9745,
61.8360

■ 59.3862, 66.2965,
75.8595

Harmonies

Analogous

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



25.5880, 13.2727, 13.2039



23.1503, 13.2727, 3.8244



17.8497, 13.2727, 0.9932

Triad

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



23.1503, 13.2727, 3.8244



5.6223, 13.2727, 4.8175



13.0695, 13.2727, 66.6581

Complementary

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



23.1503, 13.2727, 3.8244



29.4439, 42.0583, 56.4351

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.



8.5196, 13.2727, 58.1340



23.1503, 13.2727, 3.8244



4.9919, 13.2727, 15.7757

Square

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



23.1503, 13.2727, 3.8244



7.9350, 13.2727, 1.2249



5.8883, 13.2727, 36.1910



18.8476, 13.2727, 54.9427

Rectangle

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



23.1503, 13.2727, 3.8244



13.9659, 13.2727, 0.4989



5.8883, 13.2727, 36.1910



11.3548, 13.2727, 66.0654

Sweetspot

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



23.1506, 13.2735, 3.8246



67.8934, 62.0171, 58.5074



32.1909, 16.8890, 51.4322



13.9474, 12.4004, 11.3232



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.



23.1506, 13.2735, 3.8246



39.7650, 20.8566, 2.5913



28.7493, 24.4709, 5.6908



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.



29.4439, 42.0583, 56.4351



51.6776, 75.3437, 102.1794



17.1341, 17.4387, 52.3318



10.3685, 11.4284, 12.9442



19.0840, 27.9246, 37.9408



0.8246, 1.2066, 1.6393

Previews

White Background



This preview shows how the XYZ color 23.1503, 13.2727, 3.8244 looks on a white background.

Color Contrast Check

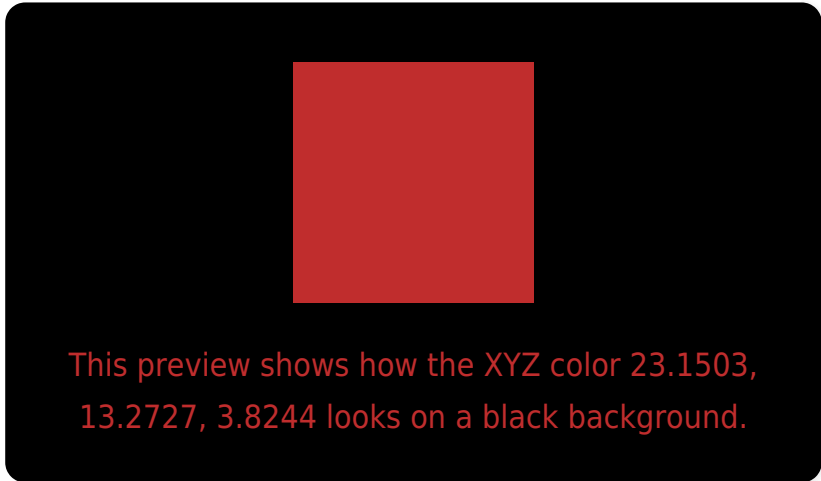
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1503, 13.2727, 3.8244

Background



This preview shows how black text looks on a background with the XYZ color 23.1503, 13.2727, 3.8244.



This preview shows how white text looks on a background with the XYZ color 23.1503, 13.2727,

3.8244.

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

23.1503, 13.2727, 3.8244

Protanopia

12.4295, 13.5041, 6.6541

Deuteranopia

13.7097, 13.5180, 3.4000



Tritanopia

23.1698, 13.2805, 3.9270

Trichromacy



Original Color

23.1503, 13.2727, 3.8244

Protanomaly

14.7156, 11.9828, 5.2787

Deuteranomaly

16.0947, 12.4073, 3.3803

Tritanomaly

23.1698, 13.2805, 3.9270

Monochromacy



Original Color

23.1503, 13.2727, 3.8244

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.1893, 9.6817, 7.5296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1503, 13.2727, 3.8244 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(192, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(192, 45, 45)  
}
```

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(192, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 45, 45) }
```

Border

The CSS property to change the border of an element to XYZ 23.1503, 13.2727, 3.8244 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(192, 45, 45) }
```


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

```
.border{ border-color:rgb(192, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(192, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(192, 45,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1503, 13.2727, 3.8244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 45, 45) }
```

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

```
.background{ background-color: rgb(192, 45,  
45) }
```

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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