

Converting Colors

XYZ(23.1538, 14.4583, 6.2438)

Have a look what the booklet for
XYZ(23.1538, 14.4583, 6.2438)
contains.

XYZ(23.1682, 14.4787, 6.2762)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1682, 14.4787,
6.2762)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3F3F
RGB	187, 63, 63
RGB Percent	73%, 25%, 25%
CMY	0.2667, 0.7529, 0.7529
CMYK	0.00, 0.66, 0.66, 0.27
HSL	0°, 50%, 49%
HSV	0°, 66%, 73%
XYZ	23.1682, 14.4787, 6.2762
YIQ	100.0760, 73.9040, 26.2880

Conversions

Conversions Part 2

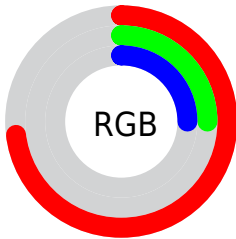
Format	Color
R_{YB}	187, 63, 63
Decimal	12271423
CIE Lab	44.91, 49.78, 27.76
CIE LCh	45, 57.002, 29.146
Yxy	14.4787, 0.5275, 0.3296
Android (android.graphics.Color)	4290461503 (0xFFBB3F3F)
YUV	100.0760, -18.2785, 76.2323
Hunter-Lab	38.0509, 42.0950, 16.8562

Details

The XYZ color **23.1682, 14.4787, 6.2762** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.7881, 40.1817, 53.2519**, and the grayscale version is **12.1652, 12.7988, 13.9378**.

A 20% lighter version of the original color is **48.2975, 34.0100, 19.0580**, and **8.8787, 4.5625, 1.0745** is the 20% darker color. If you saturate the color by 10%, you get **21.8659, 12.5733, 3.6871**, and if you desaturate by 10%, it is **25.0002, 17.1599, 9.9176**.

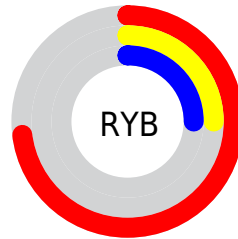
Distribution



Red (73%)

Green (25%)

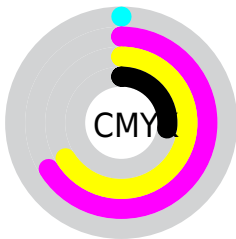
Blue (25%)



Red (73%)

Yellow (25%)

Blue (25%)

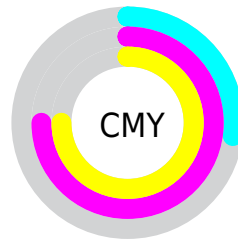


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (27%)



Cyan (27%)

Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1682, 14.4787, 6.2762 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 23.1682, 14.4787, 6.2762 by changing the saturation by 10% instead.

■ 23.1682, 14.4787,
6.2762

■ 23.1682, 14.4787,
6.2762

261.1070,
220.1888, 170.9022

■ 14.8391, 8.4544,
2.9423

■ 48.1340, 33.9360,
18.9890

■ 8.7921, 4.3870,
1.0652

■ 65.5014, 48.1378,
29.2050

■ 4.6619, 1.8923,
0.0000

■ 86.6124, 65.8342,
42.5520

■ 2.0830, 0.5438,
0.0000

■ 111.8321, 87.4095,
59.4486

■ 0.6799, 0.0000,
0.0000

■ 141.5261,
113.2483, 80.3134

■ 0.0000, 0.0000,
0.0000

■ 176.0597,

143.7348, 105.5649

215.7982,
179.2536, 135.6217

■ 23.1682, 14.4787,
6.2762

■ 23.1682, 14.4787,
6.2762

■ 21.8659, 12.5733,
3.6871

■ 25.0002, 17.1599,
9.9176

■ 21.0362, 11.3592,
2.0379

■ 27.4092, 20.6850,
14.7065

■ 20.6062, 10.7299,
1.1832

■ 30.4384, 25.1176,
20.7283

■ 20.4935, 10.5650,
0.9591

■ 34.1267, 30.5145,
28.0603

■ 38.5095, 36.9278,
36.7732

■ 43.6200, 44.4060,
46.9328

■ 49.4892, 52.9942,
58.6007

■ 56.1463, 62.7353,
71.8349

■ 63.6188, 73.6696,
86.6903

Harmonies

Analogous

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



24.8103, 14.4787, 16.1504



23.1682, 14.4787, 6.2762



18.8892, 14.4787, 2.4011

Triad

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



23.1682, 14.4787, 6.2762



7.4118, 14.4787, 5.9245



13.6284, 14.4787, 57.8825

Complementary

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



23.1682, 14.4787, 6.2762



28.7881, 40.1817, 53.2519

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.



9.6576, 14.4787, 49.6658



23.1682, 14.4787, 6.2762



6.6040, 14.4787, 15.3854

Square

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



23.1682, 14.4787, 6.2762



9.8414, 14.4787, 2.2936



7.3238, 14.4787, 31.8636



18.6050, 14.4787, 50.4923

Rectangle

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



23.1682, 14.4787, 6.2762



15.5193, 14.4787, 1.6049



7.3238, 14.4787, 31.8636



12.1418, 14.4787, 56.8031

Sweetspot

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



23.1685, 14.4795, 6.2764



65.6669, 61.3035, 59.2930



31.2405, 17.7076, 48.7847



13.9763, 12.7908, 12.0937



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.



23.1685, 14.4795, 6.2764



38.3226, 21.2905, 4.9349



28.7242, 25.5908, 8.1283



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.



28.7881, 40.1817, 53.2519



49.1279, 70.7113, 95.2607



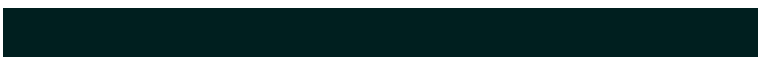
18.3531, 19.3118, 49.7736



9.8086, 10.8095, 12.2417



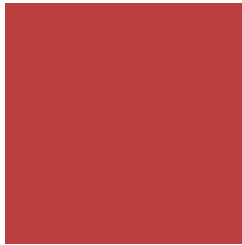
18.4224, 26.9566, 36.6251



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 23.1682, 14.4787, 6.2762 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 23.1682, 14.4787, 6.2762 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 23.1682, 14.4787, 6.2762

Background



This preview shows how black text looks on a background with the XYZ color 23.1682, 14.4787, 6.2762.



This preview shows how white text looks on a background with the XYZ color 23.1682, 14.4787,

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

23.1682, 14.4787, 6.2762

Protanopia

13.7759, 14.7394, 9.7083

Deuteranopia

14.8253, 14.6136, 5.7807



Tritanopia

23.2544, 14.5132, 6.7299

Trichromacy



Original Color

23.1682, 14.4787, 6.2762

Protanomaly

15.9616, 13.6393, 8.2699

Deuteranomaly

17.0416, 13.8745, 5.9175

Tritanomaly

23.2252, 14.5015, 6.5760

Monochromacy



Original Color

23.1682, 14.4787, 6.2762

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.6442, 12.4100, 10.6404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1682, 14.4787, 6.2762 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(187, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(187, 63, 63)  
}
```

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(187, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 63, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.1682, 14.4787, 6.2762 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(187, 63, 63) }
```


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

```
.border{ border-color:rgb(187, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(187, 63,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1682, 14.4787, 6.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 63, 63) }
```

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

```
.background{ background-color: rgb(187, 63,  
63) }
```

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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