

Converting Colors

XYZ(23.1136, 13.9427, 5.1761)

Have a look what the booklet for
XYZ(23.1136, 13.9427, 5.1761)
contains.

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Color

**XYZ(23.1142, 13.9327,
5.2124)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3838
RGB	189, 56, 56
RGB Percent	74%, 22%, 22%
CMY	0.2588, 0.7804, 0.7804
CMYK	0.00, 0.70, 0.70, 0.26
HSL	0°, 54%, 48%
HSV	0°, 70%, 74%
XYZ	23.1142, 13.9327, 5.2124
YIQ	95.7670, 79.2680, 28.1960

Conversions

Conversions Part 2

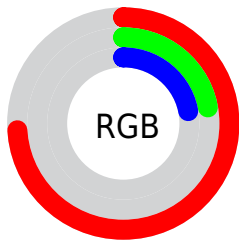
Format	Color
RYB	189, 56, 56
Decimal	12400696
CIELab	44.14, 52.88, 31.06
CIELCh	44, 61.333, 30.429
Yxy	13.9327, 0.5470, 0.3297
Android (android.graphics.Color)	4290590776 (0xFFBD3838)
YUV	95.7670, -19.6051, 81.7653
Hunter-Lab	37.3265, 45.2135, 17.8491

Details

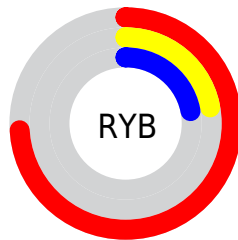
The XYZ color **23.1142, 13.9327, 5.2124** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **29.0116, 40.9058, 54.5102**, and the grayscale version is **11.0952, 11.6730, 12.7119**.

A 20% lighter version of the original color is **47.9163, 32.8574, 16.6486**, and **8.9814, 4.6209, 0.8340** is the 20% darker color. If you saturate the color by 10%, you get **21.9866, 12.2830, 2.9706**, and if you desaturate by 10%, it is **24.7625, 16.3451, 8.4885**.

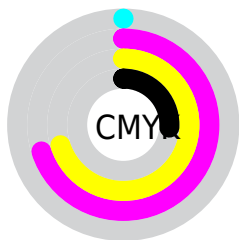
Distribution



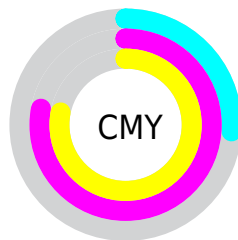
- Red (74%)
- Green (22%)
- Blue (22%)



- Red (74%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (70%)
- Yellow (70%)
- Black (26%)





- Cyan (26%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1142, 13.9327, 5.2124 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 23.1142, 13.9327, 5.2124 by changing the saturation by 10% instead.


 23.1142, 13.9327,
5.2124


 23.1142, 13.9327,
5.2124


260.8354,
216.8118, 160.8746


 14.7990, 8.0739,
2.3115


 48.0461, 32.9696,
16.7213

 8.7638, 4.1423,
0.7377


 65.3934, 46.9164,
26.1665

 4.6433, 1.7535,
0.0000

 86.4822, 64.3280,
38.6301

 2.0721, 0.4579,
0.0000

 111.6779, 85.5888,
54.5308

 0.6740, 0.0000,
0.0000

 141.3456,
111.0832, 74.2870

 0.0000, 0.0000,
0.0000

 175.8509,

141.1955, 98.3174

215.5590,
176.3103, 127.0404

■ 23.1142, 13.9327,
5.2124

■ 23.1142, 13.9327,
5.2124

■ 21.9866, 12.2830,
2.9706

■ 24.7625, 16.3451,
8.4885

■ 21.3167, 11.3026,
1.6390

■ 26.9830, 19.5944,
12.9027

■ 20.9862, 10.8190,
0.9822

■ 29.8222, 23.7489,
18.5467

■ 33.3213, 28.8691,
25.5027

■ 37.5182, 35.0104,
33.8460

■ 42.4479, 42.2238,
43.6461

■ 48.1429, 50.5573,
54.9678

■ 54.6340, 60.0554,
67.8720

■ 61.9500, 70.7608,
82.4164

Harmonies

Analogous

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



25.0421, 13.9327, 14.9696



23.1142, 13.9327, 5.2124



18.4444, 13.9327, 1.7362

Triad

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



23.1142, 13.9327, 5.2124



6.6339, 13.9327, 5.3856



13.3131, 13.9327, 61.1553

Complementary

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



23.1142, 13.9327, 5.2124



29.0116, 40.9058, 54.5102

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.



9.1242, 13.9327, 52.6980



23.1142, 13.9327, 5.2124



5.8913, 13.9327, 15.3728

Square

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



23.1142, 13.9327, 5.2124



9.0294, 13.9327, 1.7841



6.6784, 13.9327, 33.2983



18.5969, 13.9327, 52.2369

Rectangle

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



23.1142, 13.9327, 5.2124



14.8679, 13.9327, 1.0976



6.6784, 13.9327, 33.2983



11.7403, 13.9327, 60.2129

Sweetspot

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



23.1145, 13.9335, 5.2126



66.4134, 61.5593, 59.0634



31.5855, 17.3212, 49.8222



13.8159, 12.5561, 11.7748



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.



23.1145, 13.9335, 5.2126



38.6870, 20.9871, 3.9460



28.7210, 25.1464, 7.0814



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.



29.0116, 40.9058, 54.5102



49.8817, 72.1904, 97.5313



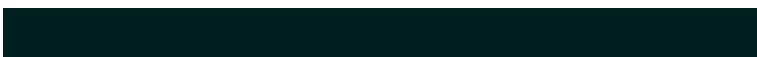
17.8372, 18.5570, 50.7854



9.8086, 10.8095, 12.2417



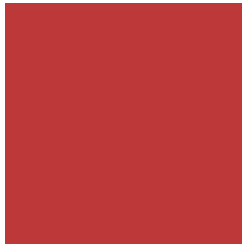
18.4223, 26.9562, 36.6250



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 23.1142, 13.9327, 5.2124 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 23.1142, 13.9327, 5.2124

Background



This preview shows how black text looks on a background with the XYZ color 23.1142, 13.9327, 5.2124.



This preview shows how white text looks on a background with the XYZ color 23.1142, 13.9327,

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

23.1142, 13.9327, 5.2124

Protanopia

13.1936, 14.1616, 8.3414

Deuteranopia

14.2966, 14.0736, 4.7593



Tritanopia

23.1642, 13.9527, 5.4752

Trichromacy



Original Color

23.1142, 13.9327, 5.2124

Protanomaly

15.4058, 12.8844, 6.9851

Deuteranomaly

16.5304, 13.1590, 4.8007

Tritanomaly

23.1390, 13.9426, 5.3425

Monochromacy



Original Color

23.1142, 13.9327, 5.2124

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.6336, 11.2248, 9.2326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1142, 13.9327, 5.2124 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, 56, 56)` looks like.

```
.text, #text, p{  
    color:rgb(189, 56, 56)  
}
```

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, 56, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 56, 56) }
```

Border

The CSS property to change the border of an element to XYZ 23.1142, 13.9327, 5.2124 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, 56, 56) }
```


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

```
.border{ border-color:rgb(189, 56, 56) }
```

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

Here you see how a box with a 4 pixel rgb(189, 56, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 56, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 56, 56);  
box-shadow:4px 4px 4px 4px rgb(189, 56,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1142, 13.9327, 5.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 56, 56) }
```

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

```
.background{ background-color: rgb(189, 56,  
56) }
```

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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