

Converting Colors

XYZ(23.1100, 16.2949, 10.5791)

Have a look what the booklet for
XYZ(23.1100, 16.2949, 10.5791)
contains.

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Color

**XYZ(23.0930, 16.3074,
10.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	B25355
RGB	178, 83, 85
RGB Percent	70%, 33%, 33%
CMY	0.3020, 0.6745, 0.6667
CMYK	0.00, 0.53, 0.52, 0.30
HSL	359°, 38%, 51%
HSV	359°, 53%, 70%
XYZ	23.0930, 16.3074, 10.5248
YIQ	111.6330, 55.9780, 20.7620

Conversions

Conversions Part 2

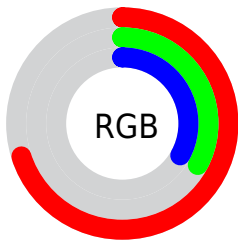
Format	Color
R_{YB}	178, 83, 85
Decimal	11686741
CIE _{Lab}	47.38, 38.83, 17.48
CIE _{LCh}	47, 42.582, 24.238
Yxy	16.3074, 0.4626, 0.3266
Android (android.graphics.Color)	4289876821 (0xFFB25355)
YUV	111.6330, -13.1301, 58.2039
Hunter-Lab	40.3824, 31.4074, 12.8150

Details

The XYZ color **23.0930, 16.3074, 10.5248** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.3251, 36.8146, 46.7427**, and the grayscale version is **15.3199, 16.1178, 17.5523**.

A 20% lighter version of the original color is **47.9622, 37.0817, 27.5513**, and **8.7847, 5.2512, 2.5581** is the 20% darker color. If you saturate the color by 10%, you get **21.2926, 13.6814, 6.9195**, and if you desaturate by 10%, it is **25.4143, 19.7025, 15.1451**.

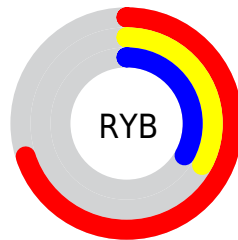
Distribution



Red (70%)

Green (33%)

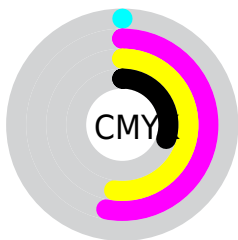
Blue (33%)



Red (70%)

Yellow (33%)

Blue (33%)

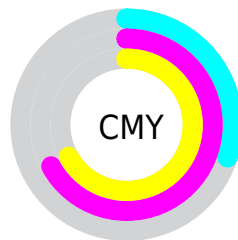


Cyan (0%)

Magenta (53%)

Yellow (52%)

Black (30%)



Cyan (30%)


Magenta (67%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0930, 16.3074, 10.5248 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 23.0930, 16.3074, 10.5248 by changing the saturation by 10% instead.


 23.0930, 16.3074,
10.5248


 23.0930, 16.3074,
10.5248


260.7287,
231.1488, 204.9967


 14.7833, 9.7419,
5.6382


 48.0115, 37.1310,
27.4011


 8.7527, 5.2282,
2.5611


 65.3510, 52.1580,
40.2279


 4.6361, 2.3818,
0.8723

 86.4311, 70.7743,
56.5384

 2.0679, 0.8165,
0.0000

 111.6173, 93.3642,
76.7513

 0.6717, 0.0000,
0.0000

 141.2747,
120.3123, 101.2850

 0.0000, 0.0000,
0.0000

175.7689,

152.0028, 130.5581

215.4651,
188.8202, 164.9892

■ 23.0930, 16.3074,
10.5248

■ 23.0930, 16.3074,
10.5248

■ 21.2926, 13.6814,
6.9195

■ 25.4143, 19.7025,
15.1451

■ 19.9717, 11.7622,
4.2521

■ 28.2913, 23.9175,
20.8480

■ 19.0850, 10.4819,
2.4358

■ 31.7568, 29.0020,
27.6963

■ 18.5774, 9.7585,
1.3675

■ 35.8413, 35.0009,
35.7477

■ 18.3804, 9.4731,
0.9670

■ 40.5727, 41.9559,
45.0560

■ 45.9774, 49.9062,
55.6719

■ 52.0804, 58.8889,
67.6432

■ 58.9053, 68.9391,
81.0153

■ 66.4747, 80.0903,
95.8314

Harmonies

Analogous

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



23.8876, 16.3074, 19.9228



23.0930, 16.3074, 10.5248



20.1334, 16.3074, 5.6767

Triad

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



23.0930, 16.3074, 10.5248



10.3307, 16.3074, 8.1774



14.7833, 16.3074, 47.4526

Complementary

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



23.0930, 16.3074, 10.5248



27.3251, 36.8146, 46.7427

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.



11.6378, 16.3074, 40.4884



23.0930, 16.3074, 10.5248



9.3487, 16.3074, 15.7522

Square

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



23.0930, 16.3074, 10.5248



12.7105, 16.3074, 4.7569



9.7853, 16.3074, 27.7138



18.6697, 16.3074, 44.2077

Rectangle

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



23.0930, 16.3074, 10.5248



17.5532, 16.3074, 4.3340



9.7853, 16.3074, 27.7138



13.6129, 16.3074, 46.1632

Sweetspot

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



23.0934, 16.3083, 10.5251



62.7224, 60.1314, 60.3472



28.7713, 18.4964, 44.1729



13.5574, 12.8245, 12.7023



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.0934, 16.3083, 10.5251



38.1358, 24.1158, 11.5881



27.5544, 25.3553, 11.6267



8.5034, 8.5081, 8.8831



13.1545, 6.7793, 0.7075



0.4163, 0.2143, 0.0348

Inverse Universe

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



23.0934, 16.3083, 10.5251



38.1358, 24.1158, 11.5881



20.0831, 22.0125, 45.3095



8.5034, 8.5081, 8.8831



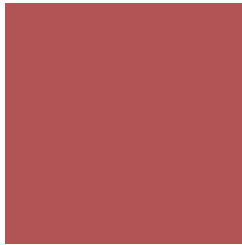
13.1545, 6.7793, 0.7075



0.4163, 0.2143, 0.0348

Previews

White Background



This preview shows how the XYZ color 23.0930, 16.3074, 10.5248 looks on a white background.

Color Contrast Check

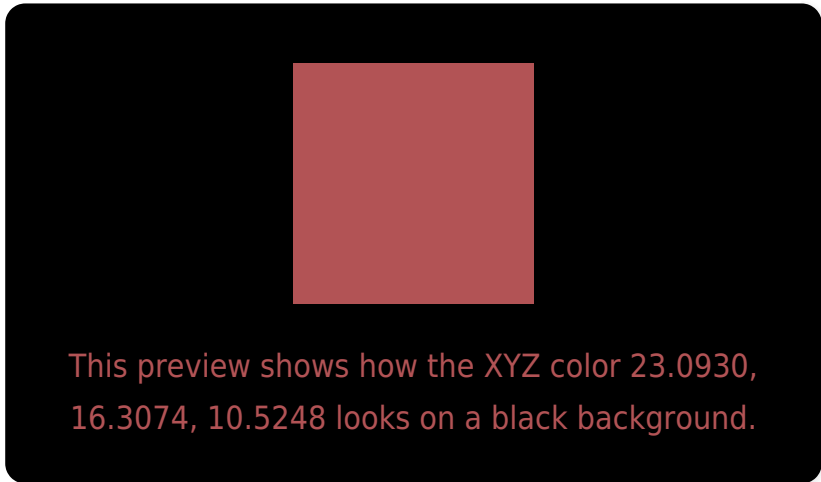
Large Text (above 18pt) WCAG AA ✓ Pass

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

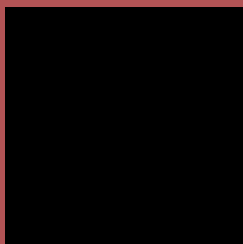
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0930, 16.3074, 10.5248

Background



This preview shows how black text looks on a background with the XYZ color 23.0930, 16.3074, 10.5248.

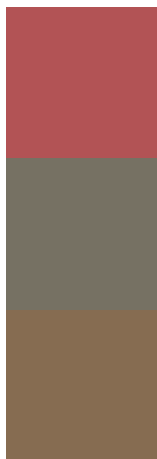


This preview shows how white text looks on a background with the XYZ color 23.0930, 16.3074,

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

23.0930, 16.3074, 10.5248

Protanopia

15.6285, 16.5627, 14.1776

Deuteranopia

16.6793, 16.3875, 10.0686



Tritanopia

23.2148, 16.3561, 11.1660

Trichromacy



Original Color

23.0930, 16.3074, 10.5248

Protanomaly

17.5870, 15.8863, 12.7291

Deuteranomaly

18.5625, 16.0169, 10.0959

Tritanomaly

23.1737, 16.3396, 10.9493

Monochromacy



Original Color

23.0930, 16.3074, 10.5248

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.2053, 15.5009, 14.6555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0930, 16.3074, 10.5248 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(178, 83, 85)` looks like.

```
.text, #text, p{  
    color:rgb(178, 83, 85)  
}
```

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(178, 83, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 83, 85) }
```

Border

The CSS property to change the border of an element to XYZ 23.0930, 16.3074, 10.5248 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(178, 83, 85) }
```


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

```
.border{ border-color:rgb(178, 83, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 83, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 83, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 83, 85);  
box-shadow:4px 4px 4px 4px rgb(178, 83,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0930, 16.3074, 10.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 83, 85) }
```

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

```
.background{ background-color: rgb(178, 83,  
85) }
```

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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