

Converting Colors

XYZ(23.7379, 14.9445, 6.5076)

Have a look what the booklet for
XYZ(23.7379, 14.9445, 6.5076)
contains.

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Color

**XYZ(23.8020, 14.9696,
6.4854)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4140
RGB	189, 65, 64
RGB Percent	74%, 25%, 25%
CMY	0.2588, 0.7451, 0.7490
CMYK	0.00, 0.66, 0.66, 0.26
HSL	0°, 49%, 50%
HSV	0°, 66%, 74%
XYZ	23.8020, 14.9696, 6.4854
YIQ	101.9620, 74.2250, 25.9770

Conversions

Conversions Part 2

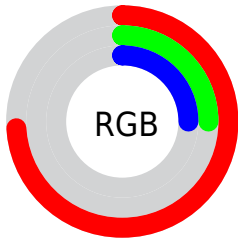
Format	Color
RYB	189, 65, 64
Decimal	12403008
CIELab	45.59, 49.67, 28.09
CIELCh	46, 57.064, 29.486
Yxy	14.9696, 0.5259, 0.3308
Android (android.graphics.Color)	4290593088 (0xFFBD4140)
YUV	101.9620, -18.7153, 76.3323
Hunter-Lab	38.6906, 42.1027, 17.1451

Details

The XYZ color **23.8020, 14.9696, 6.4854** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **29.2812, 40.7272, 54.4617**, and the grayscale version is **12.6539, 13.3129, 14.4977**.

A 20% lighter version of the original color is **49.3051, 34.8727, 19.4617**, and **9.1886, 4.7213, 1.1365** is the 20% darker color. If you saturate the color by 10%, you get **22.4490, 12.9834, 3.8157**, and if you desaturate by 10%, it is **25.6950, 17.7445, 10.2343**.

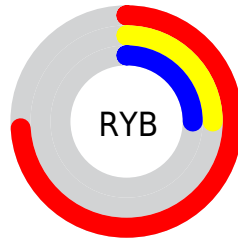
Distribution



Red (74%)

Green (25%)

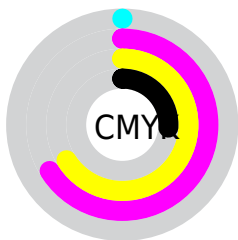
Blue (25%)



Red (74%)

Yellow (25%)

Blue (25%)

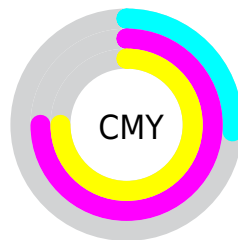


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (26%)



Cyan (26%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8020, 14.9696, 6.4854 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 23.8020, 14.9696, 6.4854 by changing the saturation by 10% instead.


 23.8020, 14.9696,
6.4854


 23.8020, 14.9696,
6.4854


264.2770,
223.1821, 172.7819


 15.3107, 8.7981,
3.0689


 49.1639, 34.7998,
19.4252


 9.1255, 4.6097,
1.1299


 66.7653, 49.2273,
29.7855

 4.8809, 2.0201,
0.0000

 88.1341, 67.1756,
43.2975

 2.2116, 0.6191,
0.0000

 113.6357, 89.0290,
60.3798

 0.7488, 0.0000,
0.0000

 143.6355,
115.1720, 81.4508

 0.0000, 0.0000,
0.0000

 178.4987,

145.9889, 106.9291

218.5907,
181.8641, 137.2333

■ 23.8020, 14.9696,
6.4854

■ 23.8020, 14.9696,
6.4854

■ 22.4490, 12.9834,
3.8157

■ 25.6950, 17.7445,
10.2343

■ 21.5787, 11.7018,
2.1104

■ 28.1755, 21.3761,
15.1596

■ 21.1213, 11.0250,
1.2245

■ 31.2869, 25.9277,
21.3486

■ 21.0027, 10.8518,
0.9876

■ 35.0682, 31.4562,
28.8801

■ 39.5554, 38.0137,
37.8266

■ 44.7818, 45.6488,
48.2553

■ 50.7786, 54.4068,
60.2292

■ 57.5753, 64.3307,
73.8075

■ 65.1998, 75.4609,
89.0464

Harmonies

Analogous

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



25.5156, 14.9696, 16.5364



23.8020, 14.9696, 6.4854



19.4136, 14.9696, 2.5250

Triad

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



23.8020, 14.9696, 6.4854



7.6974, 14.9696, 6.2669



14.1460, 14.9696, 59.2209

Complementary

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



23.8020, 14.9696, 6.4854



29.2812, 40.7272, 54.4617

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.



10.0596, 14.9696, 51.0321



23.8020, 14.9696, 6.4854



6.8844, 14.9696, 16.0646

Square

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



23.8020, 14.9696, 6.4854



10.1732, 14.9696, 2.4575



7.6429, 14.9696, 32.9546



19.2386, 14.9696, 51.5386

Rectangle

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



23.8020, 14.9696, 6.4854



15.9689, 14.9696, 1.7103



7.6429, 14.9696, 32.9546



12.6188, 14.9696, 58.1868

Sweetspot

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



23.8023, 14.9705, 6.4856



67.3249, 62.9405, 60.7295



32.0048, 18.1597, 49.9622



13.9969, 12.8321, 12.1006



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.



23.8023, 14.9705, 6.4856



39.4646, 22.1623, 5.3771



29.4366, 26.2389, 8.3637



9.5362, 9.5483, 9.9170



14.1341, 7.3069, 0.6654



0.5558, 0.2905, 0.0268

Inverse Universe

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



29.2812, 40.7272, 54.4617



49.9596, 71.5405, 97.4018



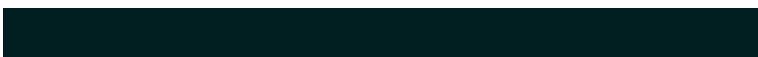
18.8246, 19.8140, 50.9762



9.8018, 10.7960, 12.2394



18.2077, 26.5271, 36.5535



0.7153, 1.0434, 1.4325

Previews

White Background



This preview shows how the XYZ color 23.8020, 14.9696, 6.4854 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 23.8020, 14.9696, 6.4854 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 23.8020, 14.9696, 6.4854

Background



This preview shows how black text looks on a background with the XYZ color 23.8020, 14.9696, 6.4854.



This preview shows how white text looks on a background with the XYZ color 23.8020, 14.9696,

6.4854.

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

23.8020, 14.9696, 6.4854

Protanopia

14.1563, 15.2444, 9.9809

Deuteranopia

15.3617, 15.1826, 5.9918



Tritanopia

23.8630, 14.9030, 7.0877

Trichromacy



Original Color

23.8020, 14.9696, 6.4854

Protanomaly

16.5120, 14.1763, 8.5226

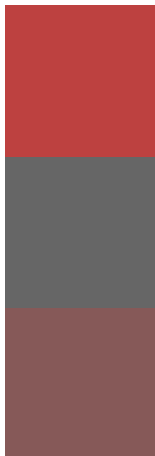
Deuteranomaly

17.6086, 14.4109, 6.1285

Tritanomaly

23.8328, 14.8909, 6.9283

Monochromacy



Original Color

23.8020, 14.9696, 6.4854

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.1653, 12.9177, 10.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8020, 14.9696, 6.4854 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, 65, 64)` looks like.

```
.text, #text, p{  
    color:rgb(189, 65, 64)  
}
```

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, 65, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 65, 64) }
```

Border

The CSS property to change the border of an element to XYZ 23.8020, 14.9696, 6.4854 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, 65, 64) }
```


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

```
.border{ border-color:rgb(189, 65, 64) }
```

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

Here you see how a box with a 4 pixel rgb(189, 65, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 65, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 65, 64);  
box-shadow:4px 4px 4px 4px rgb(189, 65,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8020, 14.9696, 6.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 65, 64) }
```

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

```
.background{ background-color: rgb(189, 65,  
64) }
```

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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