

Converting Colors

XYZ(23.8032, 15.7792, 15.3142)

Have a look what the booklet for
XYZ(23.8032, 15.7792, 15.3142)
contains.

XYZ(23.7764, 15.7932, 15.4309)	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(23.7764, 15.7932,
15.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	B34C6A
RGB	179, 76, 106
RGB Percent	70%, 30%, 42%
CMY	0.2980, 0.7019, 0.5843
CMYK	0.00, 0.58, 0.41, 0.30
HSL	343°, 40%, 50%
HSV	343°, 58%, 70%
XYZ	23.7764, 15.7932, 15.4309
YIQ	110.2170, 51.7580, 31.1660

Conversions

Conversions Part 2

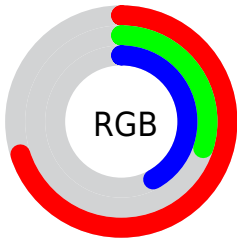
Format	Color
R_{YB}	179, 76, 106
Decimal	11750506
CIE _{Lab}	46.70, 44.78, 3.83
CIE _{LCh}	47, 44.942, 4.893
Yxy	15.7932, 0.4323, 0.2871
Android (android.graphics.Color)	4289940586 (0xFFB34C6A)
YUV	110.2170, -2.0790, 60.3227
Hunter-Lab	39.7407, 37.2484, 4.7967

Details

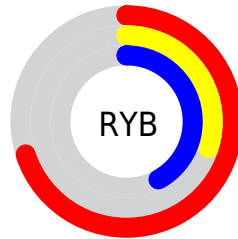
The XYZ color **23.7764, 15.7932, 15.4309** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **24.5263, 35.9471, 34.0819**, and the grayscale version is **14.8793, 15.6541, 17.0474**.

A 20% lighter version of the original color is **49.1960, 36.3120, 36.3143**, and **9.0656, 4.9537, 4.6160** is the 20% darker color. If you saturate the color by 10%, you get **22.0985, 13.4164, 11.8538**, and if you desaturate by 10%, it is **25.8958, 18.8968, 19.6371**.

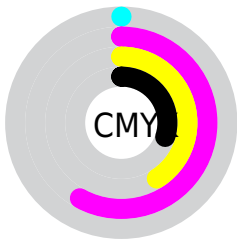
Distribution



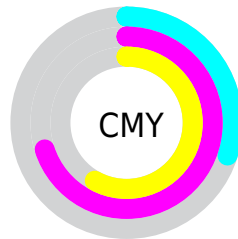
- Red (70%)
- Green (30%)
- Blue (42%)



- Red (70%)
- Yellow (30%)
- Blue (42%)



- Cyan (0%)
- Magenta (58%)
- Yellow (41%)
- Black (30%)



- Cyan (30%)
- Magenta (70%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7764, 15.7932, 15.4309 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 23.7764, 15.7932, 15.4309 by changing the saturation by 10% instead.

■ 23.7764, 15.7932,
15.4309

■ 23.7764, 15.7932,
15.4309

264.1496,
228.1183, 237.6897

■ 15.2917, 9.3779,
8.9724

■ 49.1224, 36.2388,
36.3603

■ 9.1120, 4.9885,
4.6266

■ 66.7144, 51.0380,
51.6682

■ 4.8720, 2.2405,
1.9750

■ 88.0729, 69.4005,
70.7631

■ 2.2063, 0.7420,
0.5399

■ 113.5631, 91.7109,
94.0634

■ 0.7461, 0.0000,
0.0000

■ 143.5506,
118.3534, 121.9876

■ 0.0000, 0.0000,
0.0000

178.4006,

149.7126, 154.9544

218.4785,
186.1728, 193.3822

■ 23.7764, 15.7932,
15.4309

■ 23.7764, 15.7932,
15.4309

■ 22.0985, 13.4164,
11.8538

■ 25.8958, 18.8968,
19.6371

■ 20.8274, 11.7037,
8.8726

■ 28.4854, 22.7781,
24.5014

■ 19.9248, 10.5859,
6.4523

■ 31.5728, 27.4864,
30.0516

■ 19.3339, 9.9576,
4.5492

■ 35.1830, 33.0658,
36.3139

■ 19.2132, 9.8328,
4.1494

■ 39.3394, 39.5578,
43.3130

■ 44.0640, 47.0009,
51.0722

■ 49.3773, 55.4313,
59.6140

■ 55.2991, 64.8836,
68.9598

■ 61.8480, 75.3905,
79.1301

Harmonies

Analogous

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



22.8640, 15.7932, 27.9953



23.7764, 15.7932, 15.4309



22.0288, 15.7932, 7.6142

Triad

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



23.7764, 15.7932, 15.4309



11.1218, 15.7932, 4.9219



12.0525, 15.7932, 44.8434

Complementary

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



23.7764, 15.7932, 15.4309



24.5263, 35.9471, 34.0819

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.



9.6685, 15.7932, 32.6130



23.7764, 15.7932, 15.4309



9.1999, 15.7932, 9.6071

Square

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



23.7764, 15.7932, 15.4309



14.3812, 15.7932, 3.4569



8.7178, 15.7932, 19.0911



15.6588, 15.7932, 48.6364

Rectangle

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



23.7764, 15.7932, 15.4309



19.7425, 15.7932, 4.9418



8.7178, 15.7932, 19.0911



11.1031, 15.7932, 41.3838

Sweetspot

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



23.7768, 15.7940, 15.4312



63.1868, 59.4921, 65.3361



22.9527, 14.7298, 44.2813



13.6979, 12.7129, 13.9597



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.



23.7768, 15.7940, 15.4312



38.9118, 23.1121, 19.7263



24.1334, 18.5821, 9.1533



8.5948, 8.5446, 9.3646



13.6020, 6.9584, 3.0644



0.4540, 0.2294, 0.2336

Inverse Universe

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



23.7768, 15.7940, 15.4312



38.9118, 23.1121, 19.7263



23.4131, 29.3823, 47.0852



8.5948, 8.5446, 9.3646



13.6020, 6.9584, 3.0644



0.4540, 0.2294, 0.2336

Previews

White Background



This preview shows how the XYZ color 23.7764, 15.7932, 15.4309 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 23.7764, 15.7932, 15.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

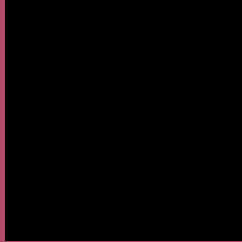
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7764, 15.7932, 15.4309

Background



This preview shows how black text looks on a background with the XYZ color 23.7764, 15.7932, 15.4309.



This preview shows how white text looks on a background with the XYZ color 23.7764, 15.7932,

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

23.7764, 15.7932, 15.4309

Protanopia

15.6485, 15.9094, 21.9847

Deuteranopia

16.2108, 15.8906, 14.5247



Tritanopia

22.6398, 15.7403, 10.4393

Trichromacy



Original Color

23.7764, 15.7932, 15.4309

Protanomaly

17.5290, 15.1356, 19.4503

Deuteranomaly

18.3081, 15.3648, 14.8327

Tritanomaly

23.1319, 15.8473, 12.1956

Monochromacy



Original Color

23.7764, 15.7932, 15.4309

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.1197, 14.9904, 16.4591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7764, 15.7932, 15.4309 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(179, 76, 106)` looks like.

```
.text, #text, p{  
    color:rgb(179, 76, 106)  
}
```

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(179, 76, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 76, 106) }
```

Border

The CSS property to change the border of an element to XYZ 23.7764, 15.7932, 15.4309 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(179, 76, 106) }
```


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

```
.border{ border-color:rgb(179, 76, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 76, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 76, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 76, 106);  
box-shadow:4px 4px 4px 4px rgb(179, 76,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7764, 15.7932, 15.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 76, 106) }
```

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

```
.background{ background-color: rgb(179, 76,  
106) }
```

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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