

Converting Colors

XYZ(23.8155, 14.1269, 12.4900)

Have a look what the booklet for
XYZ(23.8155, 14.1269, 12.4900)
contains.

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Color

**XYZ(23.7752, 14.1120,
12.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	BA3860
RGB	186, 56, 96
RGB Percent	73%, 22%, 38%
CMY	0.2706, 0.7804, 0.6235
CMYK	0.00, 0.70, 0.48, 0.27
HSL	342°, 54%, 47%
HSV	342°, 70%, 73%
XYZ	23.7752, 14.1120, 12.5371
YIQ	99.4300, 64.6400, 40.0000

Conversions

Conversions Part 2

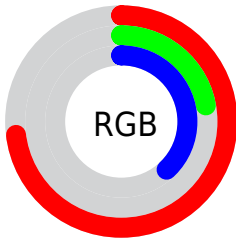
Format	Color
R_{YB}	186, 56, 96
Decimal	12204128
CIE _{Lab}	44.39, 54.72, 6.83
CIE _{LCh}	44, 55.149, 7.111
Yxy	14.1120, 0.4715, 0.2799
Android (android.graphics.Color)	4290394208 (0xFFBA3860)
YUV	99.4300, -1.6910, 75.9219
Hunter-Lab	37.5659, 47.2309, 6.5090

Details

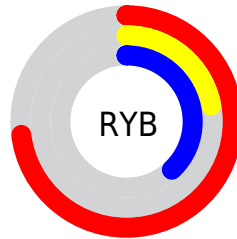
The XYZ color **23.7752, 14.1120, 12.5371** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **24.3792, 38.0343, 33.2538**, and the grayscale version is **11.9618, 12.5848, 13.7048**.

A 20% lighter version of the original color is **48.9885, 33.2565, 31.0313**, and **9.3281, 4.7423, 3.4413** is the 20% darker color. If you saturate the color by 10%, you get **22.4901, 12.4142, 9.4193**, and if you desaturate by 10%, it is **25.4930, 16.5198, 16.2786**.

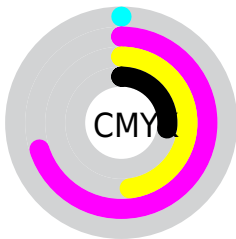
Distribution



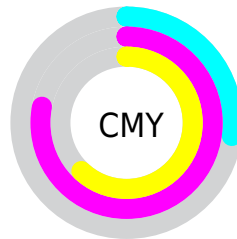
- Red (73%)
- Green (22%)
- Blue (38%)



- Red (73%)
- Yellow (22%)
- Blue (38%)



- Cyan (0%)
- Magenta (70%)
- Yellow (48%)
- Black (27%)



- Cyan (27%)
- Magenta (78%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7752, 14.1120, 12.5371 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 23.7752, 14.1120, 12.5371 by changing the saturation by 10% instead.

■ 23.7752, 14.1120,
12.5371

■ 23.7752, 14.1120,
12.5371

264.1436,
217.9265, 219.0319

■ 15.2908, 8.1986,
6.9836

■ 49.1205, 33.2876,
31.1485

■ 9.1114, 4.2223,
3.3736

■ 66.7120, 47.3186,
45.0435

■ 4.8716, 1.7987,
1.2884

■ 88.0700, 64.8243,
62.5561

■ 2.2061, 0.4863,
0.0523

■ 113.5597, 86.1891,
84.1049

■ 0.7459, 0.0000,
0.0000

■ 143.5466,
111.7972, 110.1083

■ 0.0000, 0.0000,
0.0000

178.3960,

142.0333, 140.9849

218.4732,
177.2816, 177.1533

■ 23.7752, 14.1120,
12.5371

■ 23.7752, 14.1120,
12.5371

■ 22.4901, 12.4142,
9.4193

■ 25.4930, 16.5198,
16.2786

■ 21.5925, 11.3437,
6.8865

■ 27.6801, 19.7035,
20.6774

■ 20.9996, 10.7427,
4.8858

■ 30.3701, 23.7242,
25.7651

■ 20.9937, 10.7367,
4.8660

■ 33.5934, 28.6359,
31.5712

■ 37.3777, 34.4883,
38.1232

■ 41.7487, 41.3274,
45.4471

■ 46.7308, 49.1961,
53.5676

■ 52.3465, 58.1346,
62.5083

■ 58.6176, 68.1813,
72.2918

Harmonies

Analogous

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



22.8991, 14.1120, 26.9520



23.7752, 14.1120, 12.5371



21.4245, 14.1120, 4.8408

Triad

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



23.7752, 14.1120, 12.5371



8.8990, 14.1120, 2.9615



10.3630, 14.1120, 50.6170

Complementary

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



23.7752, 14.1120, 12.5371



24.3792, 38.0343, 33.2538

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.



7.6986, 14.1120, 35.3050



23.7752, 14.1120, 12.5371



6.9926, 14.1120, 7.6915

Square

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



23.7752, 14.1120, 12.5371



12.3852, 14.1120, 1.6409



6.6075, 14.1120, 18.5903



14.4962, 14.1120, 54.5552

Rectangle

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



23.7752, 14.1120, 12.5371



18.5951, 14.1120, 2.6304



6.6075, 14.1120, 18.5903



9.2961, 14.1120, 46.3365

Sweetspot

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



23.7756, 14.1128, 12.5373



66.6830, 60.8544, 67.2812



21.9256, 12.3792, 47.6881



14.2521, 12.7303, 14.0730



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.



23.7756, 14.1128, 12.5373



39.7883, 21.3036, 14.4205



23.8206, 16.4386, 5.6600



9.1153, 9.0565, 9.9548



14.1539, 7.2353, 3.4312



0.5275, 0.2665, 0.2714

Inverse Universe

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



23.7756, 14.1128, 12.5373



39.7883, 21.3036, 14.4205



23.4442, 30.2861, 51.0644



9.1153, 9.0565, 9.9548



14.1539, 7.2353, 3.4312



0.5275, 0.2665, 0.2714

Previews

White Background



This preview shows how the XYZ color 23.7752, 14.1120, 12.5371 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 23.7752, 14.1120, 12.5371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

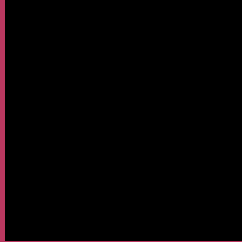
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7752, 14.1120, 12.5371

Background



This preview shows how black text looks on a background with the XYZ color 23.7752, 14.1120, 12.5371.



This preview shows how white text looks on a background with the XYZ color 23.7752, 14.1120,

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

23.7752, 14.1120, 12.5371

Protanopia

14.1062, 14.3580, 20.7668

Deuteranopia

14.6229, 14.3785, 11.6775



Tritanopia

22.5280, 14.1387, 6.6959

Trichromacy



Original Color

23.7752, 14.1120, 12.5371

Protanomaly

16.0617, 12.9952, 17.2846

Deuteranomaly

16.8573, 13.2894, 11.8019

Tritanomaly

22.9630, 14.0818, 8.5290

Monochromacy



Original Color

23.7752, 14.1120, 12.5371

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.6579, 11.8936, 13.0784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7752, 14.1120, 12.5371 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(186, 56, 96)` looks like.

```
.text, #text, p{  
    color:rgb(186, 56, 96)  
}
```

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(186, 56, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 56, 96) }
```

Border

The CSS property to change the border of an element to XYZ 23.7752, 14.1120, 12.5371 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(186, 56, 96) }
```


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

```
.border{ border-color:rgb(186, 56, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 56, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 56, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 56, 96);  
box-shadow:4px 4px 4px 4px rgb(186, 56,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7752, 14.1120, 12.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 56, 96) }
```

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

```
.background{ background-color: rgb(186, 56,  
96) }
```

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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