

Converting Colors

XYZ(24.4704, 15.0009, 10.3308)

Have a look what the booklet for
XYZ(24.4704, 15.0009, 10.3308)
contains.

XYZ(24.3886, 14.9360, 10.4016)	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(24.3886, 14.9360,
10.4016)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3E56
RGB	189, 62, 86
RGB Percent	74%, 24%, 34%
CMY	0.2588, 0.7568, 0.6627
CMYK	0.00, 0.67, 0.54, 0.26
HSL	349°, 51%, 49%
HSV	349°, 67%, 74%
XYZ	24.3886, 14.9360, 10.4016
YIQ	102.7090, 67.9880, 34.3880

Conversions

Conversions Part 2

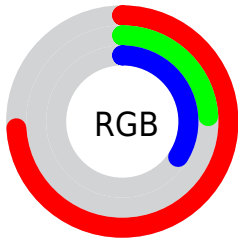
Format	Color
R_{YB}	189, 62, 86
Decimal	12402262
CIE _{Lab}	45.55, 52.44, 14.69
CIE _{LCh}	46, 54.458, 15.646
Yxy	14.9360, 0.4905, 0.3004
Android (android.graphics.Color)	4290592342 (0xFFBD3E56)
YUV	102.7090, -8.2375, 75.6772
Hunter-Lab	38.6471, 45.0115, 11.0955

Details

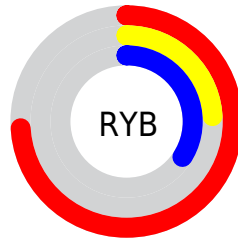
The XYZ color **24.3886, 14.9360, 10.4016** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **26.9769, 40.1363, 41.9263**, and the grayscale version is **12.8246, 13.4925, 14.6933**.

A 20% lighter version of the original color is **50.1588, 34.7958, 26.9943**, and **9.6062, 4.9059, 2.5385** is the 20% darker color. If you saturate the color by 10%, you get **22.9808, 13.0051, 7.2051**, and if you desaturate by 10%, it is **26.2869, 17.6361, 14.4154**.

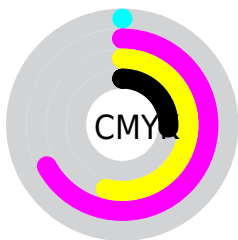
Distribution



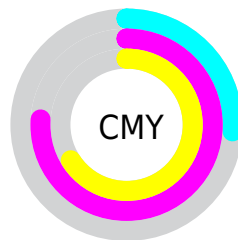
- Red (74%)
- Green (24%)
- Blue (34%)



- Red (74%)
- Yellow (24%)
- Blue (34%)



- Cyan (0%)
- Magenta (67%)
- Yellow (54%)
- Black (26%)





- Cyan (26%)
- Magenta (76%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3886, 14.9360, 10.4016 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 24.3886, 14.9360, 10.4016 by changing the saturation by 10% instead.


 24.3886, 14.9360,
10.4016


 24.3886, 14.9360,
10.4016


267.1834,
222.9785, 204.1027


 15.7484, 8.7745,
5.5570


 50.1137, 34.7409,
27.1677


 9.4360, 4.5944,
2.5132


 67.9293, 49.1530,
39.9263


 5.0860, 2.0113,
0.8471

 89.5341, 67.0841,
56.1599

 2.3331, 0.6140,
0.0000

 115.2934, 88.9187,
76.2871

 0.8115, 0.0000,
0.0000

 145.5727,
115.0410, 100.7264

 0.0000, 0.0000,
0.0000

180.7372,

145.8354, 129.8964

221.1523,
181.6865, 164.2157

■ 24.3886, 14.9360,
10.4016

■ 24.3886, 14.9360,
10.4016

■ 22.9808, 13.0051,
7.2051

■ 26.2869, 17.6361,
14.4154

■ 22.0149, 11.7598,
4.7671

■ 28.7158, 21.1728,
19.2979

■ 21.4270, 11.0873,
3.0193

■ 31.7124, 25.6088,
25.0971

■ 21.3001, 10.9443,
2.6355

■ 35.3100, 31.0001,
31.8572

■ 39.5394, 37.3984,
39.6193

■ 44.4292, 44.8513,
48.4224

■ 50.0064, 53.4036,
58.3032

■ 56.2962, 63.0975,
69.2966

■ 63.3229, 73.9728,
81.4361

Harmonies

Analogous

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



24.4619, 14.9360, 23.2931



24.3886, 14.9360, 10.4016



21.2271, 14.9360, 4.1257

Triad

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



24.3886, 14.9360, 10.4016



8.8176, 14.9360, 4.2878



12.1373, 14.9360, 54.5775

Complementary

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



24.3886, 14.9360, 10.4016



26.9769, 40.1363, 41.9263

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.



8.9195, 14.9360, 41.5391



24.3886, 14.9360, 10.4016



7.2993, 14.9360, 10.8118

Square

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



24.3886, 14.9360, 10.4016



11.9665, 14.9360, 2.1046



7.3321, 14.9360, 23.9932



16.6870, 14.9360, 54.2505

Rectangle

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



24.3886, 14.9360, 10.4016



18.1152, 14.9360, 2.4551



7.3321, 14.9360, 23.9932



10.8876, 14.9360, 51.3992

Sweetspot

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



24.3890, 14.9368, 10.4018



68.3206, 63.1963, 66.4117



26.1360, 14.9705, 49.6559



14.2311, 12.8925, 13.4363



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.



24.3890, 14.9368, 10.4018



40.1828, 22.0104, 10.5127



26.4232, 20.3013, 7.0846



9.6018, 9.5650, 10.2923



14.3529, 7.3723, 1.8861



0.5848, 0.2978, 0.1927

Inverse Universe

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



24.3890, 14.9368, 10.4018



40.1828, 22.0104, 10.5127



22.2233, 26.8003, 52.1455



9.6018, 9.5650, 10.2923



14.3529, 7.3723, 1.8861



0.5848, 0.2978, 0.1927

Previews

White Background



This preview shows how the XYZ color 24.3886, 14.9360, 10.4016 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 24.3886, 14.9360, 10.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

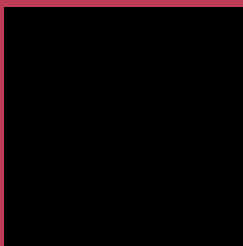
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3886, 14.9360, 10.4016

Background



This preview shows how black text looks on a background with the XYZ color 24.3886, 14.9360, 10.4016.



This preview shows how white text looks on a background with the XYZ color 24.3886, 14.9360,

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

24.3886, 14.9360, 10.4016

Protanopia

14.5533, 15.1442, 16.6241

Deuteranopia

15.3004, 15.0690, 9.6916



Tritanopia

23.7035, 14.9016, 7.2572

Trichromacy



Original Color

24.3886, 14.9360, 10.4016

Protanomaly

16.7375, 13.9107, 14.1148

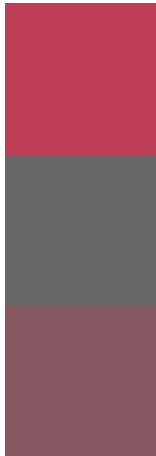
Deuteranomaly

17.6730, 14.2380, 9.7994

Tritanomaly

23.8424, 14.8662, 8.2694

Monochromacy



Original Color

24.3886, 14.9360, 10.4016

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.4789, 12.9108, 12.9855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3886, 14.9360, 10.4016 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, 62, 86)` looks like.

```
.text, #text, p{  
    color:rgb(189, 62, 86)  
}
```

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, 62, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 62, 86) }
```

Border

The CSS property to change the border of an element to XYZ 24.3886, 14.9360, 10.4016 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, 62, 86) }
```


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

```
.border{ border-color:rgb(189, 62, 86) }
```

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

Here you see how a box with a 4 pixel rgb(189, 62, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 62, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 62, 86);  
box-shadow:4px 4px 4px 4px rgb(189, 62,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3886, 14.9360, 10.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 62, 86) }
```

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

```
.background{ background-color: rgb(189, 62,  
86) }
```

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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