

Converting Colors

XYZ(24.9351, 15.1837, 11.9780)

Have a look what the booklet for
XYZ(24.9351, 15.1837, 11.9780)
contains.

XYZ(24.9336, 15.1827, 11.9723)	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(24.9336, 15.1827,
11.9723)**

Conversions

Conversions Part 1

Format	Color
Hex	BE3E5D
RGB	190, 62, 93
RGB Percent	75%, 24%, 36%
CMY	0.2549, 0.7568, 0.6353
CMYK	0.00, 0.67, 0.51, 0.25
HSL	345°, 51%, 49%
HSV	345°, 67%, 75%
XYZ	24.9336, 15.1827, 11.9723
YIQ	103.8060, 66.3370, 36.7770

Conversions

Conversions Part 2

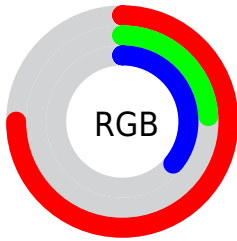
Format	Color
R_{YB}	190, 62, 93
Decimal	12467805
CIE _{Lab}	45.88, 53.34, 10.88
CIE _{LCh}	46, 54.435, 11.530
Yxy	15.1827, 0.4787, 0.2915
Android (android.graphics.Color)	4290657885 (0xFFBE3E5D)
YUV	103.8060, -5.3274, 75.5921
Hunter-Lab	38.9650, 46.0330, 9.0582

Details

The XYZ color **24.9336, 15.1827, 11.9723** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **26.6591, 40.3546, 39.1884**, and the grayscale version is **13.1084, 13.7910, 15.0184**.

A 20% lighter version of the original color is **51.1029, 35.2150, 30.0904**, and **9.8936, 5.0387, 3.2474** is the 20% darker color. If you saturate the color by 10%, you get **23.4961, 13.2342, 8.6373**, and if you desaturate by 10%, it is **26.8531, 17.9031, 16.0607**.

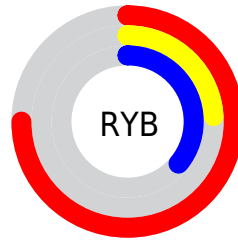
Distribution



Red (75%)

Green (24%)

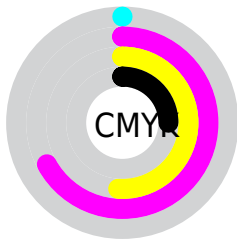
Blue (36%)



Red (75%)

Yellow (24%)

Blue (36%)

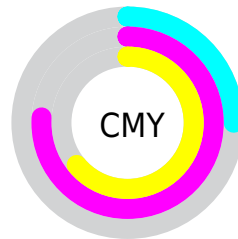


Cyan (0%)

Magenta (67%)

Yellow (51%)

Black (25%)



Cyan (25%)


Magenta (76%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9336, 15.1827, 11.9723 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 24.9336, 15.1827, 11.9723 by changing the saturation by 10% instead.


 24.9336, 15.1827,
11.9723


 24.9336, 15.1827,
11.9723

269.8608,
224.4694, 215.1932


 16.1561, 8.9477,
6.6025

 50.9932, 35.1734,
30.1083

 9.7262, 4.7071,
3.1401


 69.0059, 49.6978,
43.7116


 5.2787, 2.0764,
1.1666

 90.8277, 67.7543,
60.8964

 2.4481, 0.6513,
0.0000

 116.8240, 89.7270,
82.0814

 0.8692, 0.0000,
0.0000

 147.3601,
116.0005, 107.6850

 0.0000, 0.0000,
0.0000

182.8014,

146.9592, 138.1258

223.5132,
182.9873, 173.8224

■ 24.9336, 15.1827,
11.9723

■ 24.9336, 15.1827,
11.9723

■ 23.4961, 13.2342,
8.6373

■ 26.8531, 17.9031,
16.0607

■ 22.4931, 11.9732,
6.0062

■ 29.2935, 21.4631,
20.9459

■ 21.8610, 11.2844,
4.0212

■ 32.2909, 25.9259,
26.6687

■ 21.7284, 11.1444,
3.5914

■ 35.8780, 31.3476,
33.2667

■ 40.0846, 37.7802,
40.7753

■ 44.9388, 45.2716,
49.2278

■ 50.4666, 53.8666,
58.6558

■ 56.6928, 63.6078,
69.0895

■ 63.6408, 74.5351,
80.5576

Harmonies

Analogous

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



24.5371, 15.1827, 25.9131



24.9336, 15.1827, 11.9723



22.1065, 15.1827, 4.7904

Triad

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



24.9336, 15.1827, 11.9723



9.3299, 15.1827, 3.9031



11.8087, 15.1827, 54.0168

Complementary

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



24.9336, 15.1827, 11.9723



26.6591, 40.3546, 39.1884

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.



8.7758, 15.1827, 39.6213



24.9336, 15.1827, 11.9723



7.5683, 15.1827, 9.7411

Square

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



24.9336, 15.1827, 11.9723



12.7359, 15.1827, 2.0677



7.3897, 15.1827, 22.1219



16.2696, 15.1827, 55.7815

Rectangle

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



24.9336, 15.1827, 11.9723



19.0653, 15.1827, 2.7732



7.3897, 15.1827, 22.1219



10.6155, 15.1827, 50.2404

Sweetspot

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



24.9340, 15.1835, 11.9726



70.2633, 64.8173, 69.6883



25.1182, 14.4331, 50.1770



14.9483, 13.4975, 14.4460



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.9340, 15.1835, 11.9726



41.5866, 22.7061, 13.1395



26.1081, 19.3015, 6.9081



9.6224, 9.5732, 10.4003



14.4747, 7.4210, 2.5272



0.5937, 0.3014, 0.2397

Inverse Universe

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



24.9340, 15.1835, 11.9726



41.5866, 22.7061, 13.1395



23.5085, 29.1964, 53.1115



9.6224, 9.5732, 10.4003



14.4747, 7.4210, 2.5272



0.5937, 0.3014, 0.2397

Previews

White Background



This preview shows how the XYZ color 24.9336, 15.1827, 11.9723 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 24.9336, 15.1827, 11.9723 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 24.9336, 15.1827, 11.9723

Background



This preview shows how black text looks on a background with the XYZ color 24.9336, 15.1827, 11.9723.



This preview shows how white text looks on a background with the XYZ color 24.9336, 15.1827,

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

24.9336, 15.1827, 11.9723

Protanopia

15.0453, 15.4965, 19.3377

Deuteranopia

15.6740, 15.3805, 11.1594



Tritanopia

24.0989, 15.2753, 7.4726

Trichromacy



Original Color

24.9336, 15.1827, 11.9723

Protanomaly

17.0687, 14.1617, 16.3019

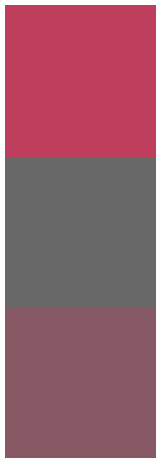
Deuteranomaly

18.1380, 14.4453, 11.2834

Tritanomaly

24.2517, 15.1495, 8.8537

Monochromacy



Original Color

24.9336, 15.1827, 11.9723

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.8643, 13.2158, 13.7713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9336, 15.1827, 11.9723 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(190, 62, 93)` looks like.

```
.text, #text, p{  
    color:rgb(190, 62, 93)  
}
```

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(190, 62, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 62, 93) }
```

Border

The CSS property to change the border of an element to XYZ 24.9336, 15.1827, 11.9723 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(190, 62, 93) }
```


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

```
.border{ border-color:rgb(190, 62, 93) }
```

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

Here you see how a box with a 4 pixel rgb(190, 62, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 62, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 62, 93);  
box-shadow:4px 4px 4px 4px rgb(190, 62,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9336, 15.1827, 11.9723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 62, 93) }
```

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

```
.background{ background-color: rgb(190, 62,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor