

Converting Colors

XYZ(24.8434, 15.2374, 7.6071)

Have a look what the booklet for
XYZ(24.8434, 15.2374, 7.6071)
contains.

XYZ(24.8523, 15.2376, 7.5925)	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(24.8523, 15.2376,
7.5925)**

Conversions

Conversions Part 1

Format	Color
Hex	C13E47
RGB	193, 62, 71
RGB Percent	76%, 24%, 28%
CMY	0.2431, 0.7568, 0.7216
CMYK	0.00, 0.68, 0.63, 0.24
HSL	356°, 51%, 50%
HSV	356°, 68%, 76%
XYZ	24.8523, 15.2376, 7.5925
YIQ	102.1950, 75.1870, 30.5710

Conversions

Conversions Part 2

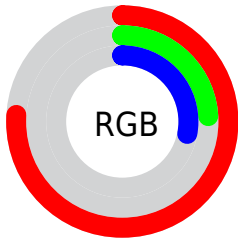
Format	Color
R_{YB}	193, 62, 71
Decimal	12664391
CIE Lab	45.96, 52.67, 24.50
CIE LCh	46, 58.088, 24.951
Yxy	15.2376, 0.5212, 0.3196
Android (android.graphics.Color)	4290854471 (0xFFC13E47)
YUV	102.1950, -15.3791, 79.6360
Hunter-Lab	39.0354, 45.3321, 15.7927

Details

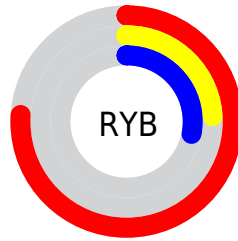
The XYZ color **24.8523, 15.2376, 7.5925** is a dark color, and the websafe version is hex **993333**. The color can be described as dark muted red. A complement of this color would be **29.7095, 42.6252, 52.0130**, and the grayscale version is **12.7062, 13.3680, 14.5577**.

A 20% lighter version of the original color is **50.9311, 35.3145, 21.5848**, and **9.8825, 5.0704, 1.5564** is the 20% darker color. If you saturate the color by 10%, you get **23.4887, 13.3013, 4.7006**, and if you desaturate by 10%, it is **26.7598, 17.9890, 11.5076**.

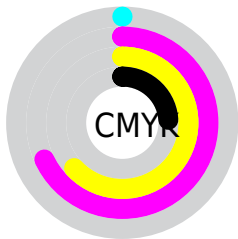
Distribution



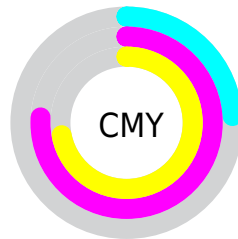
- Red (76%)
- Green (24%)
- Blue (28%)



- Red (76%)
- Yellow (24%)
- Blue (28%)



- Cyan (0%)
- Magenta (68%)
- Yellow (63%)
- Black (24%)





- Cyan (24%)
- Magenta (76%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8523, 15.2376, 7.5925 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 24.8523, 15.2376, 7.5925 by changing the saturation by 10% instead.


 24.8523, 15.2376,
7.5925


 24.8523, 15.2376,
7.5925


269.4628,
224.7999, 182.3135


 16.0952, 8.9863,
3.7513


 50.8621, 35.2695,
21.6884


 9.6828, 4.7323,
1.4899


 68.8456, 49.8188,
32.7803

 5.2498, 2.0910,
0.2104

 90.6351, 67.9030,
47.1261

 2.4308, 0.6596,
0.0000

 116.5962, 89.9064,
65.1444

 0.8605, 0.0000,
0.0000

 147.0942,
116.2134, 87.2538

 0.0000, 0.0000,
0.0000

182.4944,

147.2083, 113.8727

223.1621,
183.2757, 145.4198

■ 24.8523, 15.2376,
7.5925

■ 24.8523, 15.2376,
7.5925

■ 23.4887, 13.3013,
4.7006

■ 26.7598, 17.9890,
11.5076

■ 22.6109, 12.0882,
2.7356

■ 29.2592, 21.6293,
16.5290

■ 22.1386, 11.4673,
1.5800

■ 32.3946, 26.2270,
22.7320

■ 22.0665, 11.3671,
1.4203

■ 36.2054, 31.8431,
30.1852

■ 40.7280, 38.5336,
38.9519

■ 45.9960, 46.3504,
49.0910

■ 52.0411, 55.3421,
60.6579

■ 58.8929, 65.5544,
73.7051

■ 66.5796, 77.0305,
88.2823

Harmonies

Analogous

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



26.0837, 15.2376, 19.0890



24.8523, 15.2376, 7.5925



20.6163, 15.2376, 2.8337

Triad

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



24.8523, 15.2376, 7.5925



8.0420, 15.2376, 5.3965



13.6670, 15.2376, 60.7923

Complementary

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



24.8523, 15.2376, 7.5925



29.7095, 42.6252, 52.0130

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.



9.7053, 15.2376, 50.0763



24.8523, 15.2376, 7.5925



6.9614, 15.2376, 14.3213

Square

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



24.8523, 15.2376, 7.5925



10.8509, 15.2376, 2.1619



7.4931, 15.2376, 30.8278



18.8465, 15.2376, 55.2178

Rectangle

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



24.8523, 15.2376, 7.5925



17.0779, 15.2376, 1.7767



7.4931, 15.2376, 30.8278



12.1650, 15.2376, 58.8566

Sweetspot

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



24.8527, 15.2385, 7.5927



70.8457, 65.9056, 65.7066



30.6599, 17.2516, 52.1659



14.6976, 13.3972, 13.1256



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.



24.8527, 15.2385, 7.5927



41.2769, 22.7182, 6.6778



29.1754, 24.3121, 7.7136



10.1006, 10.0889, 10.6204



14.6881, 7.5650, 1.0035



0.6445, 0.3308, 0.0952

Inverse Universe

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



24.8527, 15.2385, 7.5927



41.2769, 22.7182, 6.6778



20.7615, 23.1723, 53.8304



10.1006, 10.0889, 10.6204



14.6881, 7.5650, 1.0035



0.6445, 0.3308, 0.0952

Previews

White Background



This preview shows how the XYZ color 24.8523, 15.2376, 7.5925 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 24.8523, 15.2376, 7.5925 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 24.8523, 15.2376, 7.5925

Background



This preview shows how black text looks on a background with the XYZ color 24.8523, 15.2376, 7.5925.



This preview shows how white text looks on a background with the XYZ color 24.8523, 15.2376,

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

24.8523, 15.2376, 7.5925

Protanopia

14.5594, 15.4056, 12.1037

Deuteranopia

15.6499, 15.4599, 7.0097



Tritanopia

24.7532, 15.2858, 6.8001

Trichromacy



Original Color

24.8523, 15.2376, 7.5925

Protanomaly

16.9290, 14.2237, 10.2407

Deuteranomaly

18.1031, 14.5186, 7.1584

Tritanomaly

24.8132, 15.3098, 7.1161

Monochromacy



Original Color

24.8523, 15.2376, 7.5925

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.2882, 12.7226, 11.5475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8523, 15.2376, 7.5925 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(193, 62, 71)` looks like.

```
.text, #text, p{  
    color:rgb(193, 62, 71)  
}
```

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(193, 62, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 62, 71) }
```

Border

The CSS property to change the border of an element to XYZ 24.8523, 15.2376, 7.5925 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(193, 62, 71) }
```


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

```
.border{ border-color:rgb(193, 62, 71) }
```

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

Here you see how a box with a 4 pixel rgb(193, 62, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 62, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 62, 71);  
box-shadow:4px 4px 4px 4px rgb(193, 62,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8523, 15.2376, 7.5925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 62, 71) }
```

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

```
.background{ background-color: rgb(193, 62,  
71) }
```

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