

Converting Colors

XYZ(24.2585, 13.2375, 9.6736)

Have a look what the booklet for
XYZ(24.2585, 13.2375, 9.6736)
contains.

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Color

**XYZ(24.2234, 13.2393,
9.6662)**

Conversions

Conversions Part 1

Format	Color
Hex	C12454
RGB	193, 36, 84
RGB Percent	76%, 14%, 33%
CMY	0.2431, 0.8588, 0.6706
CMYK	0.00, 0.81, 0.56, 0.24
HSL	342°, 69%, 45%
HSV	342°, 81%, 76%
XYZ	24.2234, 13.2393, 9.6662
YIQ	88.4150, 78.1640, 48.2120

Conversions

Conversions Part 2

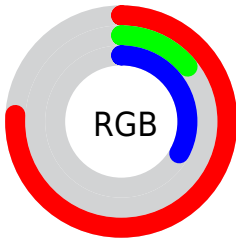
Format	Color
RYB	193, 36, 84
Decimal	12657748
CIELab	43.12, 62.17, 12.71
CIElCh	43, 63.459, 11.557
Yxy	13.2393, 0.5140, 0.2809
Android (android.graphics.Color)	4290847828 (0xFFC12454)
YUV	88.4150, -2.1766, 91.7210
Hunter-Lab	36.3858, 55.1588, 9.7192

Details

The XYZ color **24.2234, 13.2393, 9.6662** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **24.9097, 40.5598, 33.3094**, and the grayscale version is **9.3606, 9.8481, 10.7245**.

A 20% lighter version of the original color is **49.8413, 31.6888, 25.6799**, and **10.0559, 5.1397, 2.4695** is the 20% darker color. If you saturate the color by 10%, you get **23.3128, 12.1793, 7.0162**, and if you desaturate by 10%, it is **25.5497, 14.9702, 12.9504**.

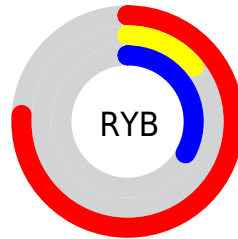
Distribution



Red (76%)

Green (14%)

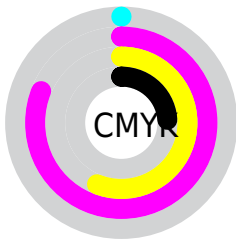
Blue (33%)



Red (76%)

Yellow (14%)

Blue (33%)

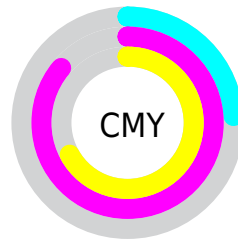


Cyan (0%)

Magenta (81%)

Yellow (56%)

Black (24%)



Cyan (24%)


Magenta (86%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2234, 13.2393, 9.6662 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 24.2234, 13.2393, 9.6662 by changing the saturation by 10% instead.


 24.2234, 13.2393,
9.6662


 24.2234, 13.2393,
9.6662


266.3675,
212.4457, 198.6703


 15.6251, 7.5935,
5.0755


 49.8465, 31.7330,
25.7637


 9.3484, 3.8360,
2.2321


 67.6020, 45.3498,
38.1075

 5.0280, 1.5822,
0.6928

 89.1406, 62.3923,
53.8728

 2.2986, 0.3456,
0.0000

 114.8277, 83.2451,
73.4781

 0.7940, 0.0000,
0.0000

 145.0286,
108.2924, 97.3420

 0.0000, 0.0000,
0.0000

 180.1086,

137.9186, 125.8830

220.4331,
172.5083, 159.5195

■ 24.2234, 13.2393,
9.6662

■ 24.2234, 13.2393,
9.6662

■ 23.3128, 12.1793,
7.0162

■ 25.5497, 14.9702,
12.9504


■ 22.7815, 11.6531,
5.1855


■ 27.3405, 17.4606,
16.9108

■ 29.6381, 20.7878,
21.5860


■ 32.4799, 25.0189,
27.0112

■ 35.8994, 30.2140,
33.2190

 39.9275, 36.4283,
40.2401

 44.5927, 43.7126,
48.1032

 49.9218, 52.1143,
56.8359

 55.9398, 61.6779,
66.4643

Harmonies

Analogous

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



23.7740, 13.2393, 24.7201



24.2234, 13.2393, 9.6662



21.0103, 13.2393, 2.9160

Triad

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



24.2234, 13.2393, 9.6662



7.3209, 13.2393, 2.1969



9.8377, 13.2393, 58.0083

Complementary

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



24.2234, 13.2393, 9.6662



24.9097, 40.5598, 33.3094

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.



6.7785, 13.2393, 40.6663



24.2234, 13.2393, 9.6662



5.6065, 13.2393, 7.4654

Square

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



24.2234, 13.2393, 9.6662



10.7925, 13.2393, 0.8512



5.4377, 13.2393, 20.5100



14.5625, 13.2393, 60.1514

Rectangle

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



24.2234, 13.2393, 9.6662



17.6129, 13.2393, 1.3364



5.4377, 13.2393, 20.5100



8.6162, 13.2393, 53.4119

Sweetspot

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



24.2237, 13.2401, 9.6664



69.2023, 61.6663, 68.0959



21.6344, 10.9782, 51.4305



14.2889, 12.3696, 13.6380



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.



24.2237, 13.2401, 9.6664



40.8855, 20.9911, 9.4587



24.1894, 15.2219, 3.3334



10.1971, 10.1275, 11.1286



15.1841, 7.7634, 3.6157



0.6875, 0.3480, 0.3219

Inverse Universe

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



24.2237, 13.2401, 9.6664



40.8855, 20.9911, 9.4587



23.6683, 30.8549, 55.1599



10.1971, 10.1275, 11.1286



15.1841, 7.7634, 3.6157



0.6875, 0.3480, 0.3219

Previews

White Background



This preview shows how the XYZ color 24.2234, 13.2393, 9.6662 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 24.2234, 13.2393, 9.6662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

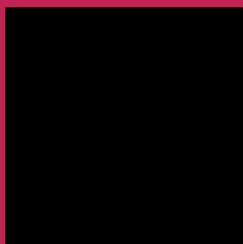
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2234, 13.2393, 9.6662

Background



This preview shows how black text looks on a background with the XYZ color 24.2234, 13.2393, 9.6662.



This preview shows how white text looks on a background with the XYZ color 24.2234, 13.2393,

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

24.2234, 13.2393, 9.6662

Protanopia

13.2706, 13.5304, 18.4352

Deuteranopia

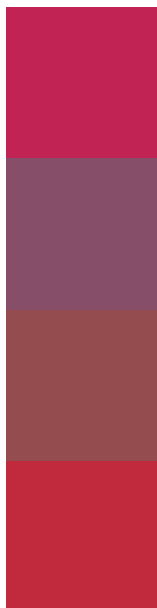
13.7924, 13.5831, 8.7323



Tritanopia

22.9759, 13.2356, 4.0331

Trichromacy



Original Color

24.2234, 13.2393, 9.6662

Protanomaly

15.0546, 11.5166, 14.5262

Deuteranomaly

16.2085, 12.0293, 8.8647

Tritanomaly

23.3818, 13.1886, 5.5883

Monochromacy



Original Color

24.2234, 13.2393, 9.6662

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.4526, 9.3800, 10.1710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2234, 13.2393, 9.6662 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, 36, 84)` looks like.

```
.text, #text, p{  
    color:rgb(193, 36, 84)  
}
```

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, 36, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 36, 84) }
```

Border

The CSS property to change the border of an element to XYZ 24.2234, 13.2393, 9.6662 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, 36, 84) }
```


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

```
.border{ border-color:rgb(193, 36, 84) }
```

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

Here you see how a box with a 4 pixel rgb(193, 36, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 36, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 36, 84);  
box-shadow:4px 4px 4px 4px rgb(193, 36,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2234, 13.2393, 9.6662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 36, 84) }
```

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

```
.background{ background-color: rgb(193, 36,  
84) }
```

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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