

Converting Colors

XYZ(13.7325, 13.2138, 24.0170)

Have a look what the booklet for
XYZ(13.7325, 13.2138, 24.0170)
contains.

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Color

**XYZ(13.7325, 13.2138,
24.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	626385
RGB	98, 99, 133
RGB Percent	38%, 39%, 52%
CMY	0.6157, 0.6118, 0.4784
CMYK	0.26, 0.26, 0.00, 0.48
HSL	238°, 15%, 45%
HSV	238°, 26%, 52%
XYZ	13.7325, 13.2138, 24.0170
YIQ	102.5770, -11.5100, 10.3620

Conversions

Conversions Part 2

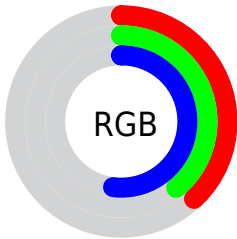
Format	Color
R_{YB}	98, 99, 133
Decimal	6448005
CIE Lab	43.08, 7.69, -18.97
CIE LCh	43, 20.474, 292.076
Yxy	13.2138, 0.2695, 0.2593
Android (android.graphics.Color)	4284638085 (0xFF626385)
YUV	102.5770, 14.9985, -4.0140
Hunter-Lab	36.3508, 3.8193, -13.7274

Details


The XYZ color **13.7325, 13.2138, 24.0170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.1290, 22.3711, 14.8129**, and the grayscale version is **12.7449, 13.4086, 14.6020**.

A 20% lighter version of the original color is **32.1637, 31.7474, 50.8870**, and **4.1498, 3.8488, 8.7078** is the 20% darker color. If you saturate the color by 10%, you get **11.2873, 10.2795, 23.5797**, and if you desaturate by 10%, it is **16.6129, 16.6638, 24.5313**.

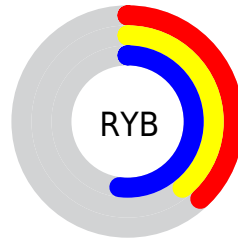
Distribution



 Red (38%)

 Green (39%)

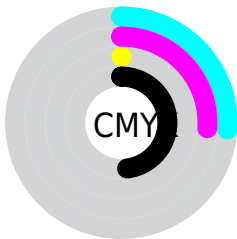
 Blue (52%)




 Red (38%)

 Yellow (39%)

 Blue (52%)

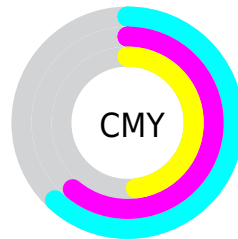


 Cyan (26%)

 Magenta (26%)

 Yellow (0%)

 Black (48%)



 Cyan (62%)

 Magenta (61%)

 Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7325, 13.2138, 24.0170 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 13.7325, 13.2138, 24.0170 by changing the saturation by 10% instead.

■ 13.7325, 13.2138,
24.0170

■ 13.7325, 13.2138,
24.0170

209.1044,
212.2834, 286.1957

■ 8.0153, 7.5759,
15.1339

■ 32.2039, 31.6874,
51.0021

■ 4.1566, 3.8248,
8.7658

■ 45.6888, 45.2918,
69.9412

■ 1.7911, 1.5761,
4.4940

■ 62.4936, 62.3206,
93.0694

■ 0.5123, 0.3414,
1.9001

■ 82.9837, 83.1582,
120.8053

■ 0.0000, 0.0000,
0.4928

107.5245,
108.1888, 153.5673

■ 0.0000, 0.0000,
0.0000

136.4813,

137.7970, 191.7740

170.2195,
172.3670, 235.8440

■ 13.7325, 13.2138,
24.0170

■ 13.7325, 13.2138,
24.0170

■ 11.2873, 10.2795,
23.5797

■ 16.6129, 16.6638,
24.5313

■ 9.2550, 7.8347,
23.2149

■ 19.9468, 20.6508,
25.1252

■ 7.6131, 5.8532,
22.9190

■ 23.7531, 25.1972,
25.8021

■ 6.3366, 4.3057,
22.6876

■ 28.0493, 30.3232,
26.5651

■ 5.3976, 3.1598,
22.5159

■ 32.8518, 36.0483,
27.4170

■ 4.7640, 2.3782,
22.3984

■ 38.1764, 42.3909,
28.3606

■ 4.3880, 1.9110,
22.3281

■ 44.0382, 49.3688,
29.3986

■ 4.2749, 1.7760,
22.3080

■ 50.4516, 56.9990,
30.5333

■ 57.4306, 65.2978,
31.7673

Harmonies

Analogous

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



12.1463, 13.2138, 24.8038



13.7325, 13.2138, 24.0170



15.1035, 13.2138, 20.4053

Triad

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



13.7325, 13.2138, 24.0170



14.5146, 13.2138, 8.5720



9.7917, 13.2138, 13.2244

Complementary

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



13.7325, 13.2138, 24.0170



20.1290, 22.3711, 14.8129

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.



10.3182, 13.2138, 9.6872



13.7325, 13.2138, 24.0170



12.9816, 13.2138, 7.3922

Square

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



13.7325, 13.2138, 24.0170



15.5807, 13.2138, 11.3673



11.4549, 13.2138, 7.7528



9.9562, 13.2138, 17.9005

Rectangle

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



13.7325, 13.2138, 24.0170



15.6675, 13.2138, 17.2260



11.4549, 13.2138, 7.7528



9.8921, 13.2138, 11.8795

Sweetspot

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



13.7329, 13.2143, 24.0173



34.5423, 35.5731, 44.7841



17.5783, 21.0334, 24.9036



7.5966, 7.7925, 10.0564



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7329, 13.2143, 24.0173



21.6971, 20.1904, 42.4920



15.5846, 14.0291, 24.0770



4.4443, 4.5643, 5.8475



4.0730, 1.6937, 21.2489



0.0148, 0.0072, 0.0738

Inverse Universe

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



16.2931, 14.6232, 13.7687



27.1500, 23.2100, 20.6588



17.8839, 21.4160, 14.7469



4.6776, 4.6907, 4.9144



9.2340, 4.7579, 0.5384



0.0323, 0.0166, 0.0036

Previews

White Background



This preview shows how the XYZ color 13.7325, 13.2138, 24.0170 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 13.7325, 13.2138, 24.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

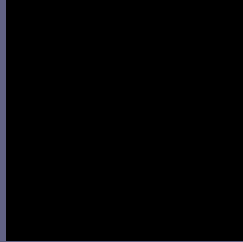
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7325, 13.2138, 24.0170

Background



This preview shows how black text looks on a background with the XYZ color 13.7325, 13.2138, 24.0170.



This preview shows how white text looks on a background with the XYZ color 13.7325, 13.2138,

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

13.7325, 13.2138, 24.0170

Protanopia

13.3744, 13.1627, 24.3900

Deuteranopia

13.5101, 13.2407, 24.0340



Tritanopia

12.3356, 13.2279, 16.9420

Trichromacy



Original Color

13.7325, 13.2138, 24.0170

Protanomaly

13.5796, 13.2685, 24.3996

Deuteranomaly

13.6147, 13.2946, 24.0388

Tritanomaly

12.8005, 13.2675, 19.3390

Monochromacy



Original Color

13.7325, 13.2138, 24.0170

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1555, 13.4843, 17.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7325, 13.2138, 24.0170 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(98, 99, 133) looks like.

```
.text, #text, p{  
    color:rgb(98, 99, 133)  
}
```

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(98, 99, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 99, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.7325, 13.2138, 24.0170 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(98, 99, 133) }
```


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

```
.border{ border-color:rgb(98, 99, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 99, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 99, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 99, 133);  
box-shadow:4px 4px 4px 4px rgb(98, 99,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7325, 13.2138, 24.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 99, 133) }
```

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

```
.background{ background-color: rgb(98, 99,  
133) }
```

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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