

Converting Colors

XYZ(13.4437, 10.5123, 22.4573)

Have a look what the booklet for
XYZ(13.4437, 10.5123, 22.4573)
contains.

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Color

**XYZ(13.4357, 10.5052,
22.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	704E82
RGB	112, 78, 130
RGB Percent	44%, 31%, 51%
CMY	0.5608, 0.6941, 0.4902
CMYK	0.14, 0.40, 0.00, 0.49
HSL	279°, 25%, 41%
HSV	279°, 40%, 51%
XYZ	13.4357, 10.5052, 22.4387
YIQ	94.0940, 3.5720, 23.3800

Conversions

Conversions Part 2

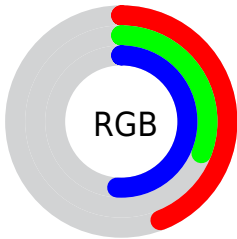
Format	Color
R_{YB}	112, 78, 130
Decimal	7360130
CIE _{Lab}	38.73, 24.54, -23.76
CIE _{LCh}	39, 34.160, 315.917
Yxy	10.5052, 0.2897, 0.2265
Android (android.graphics.Color)	4285550210 (0xFF704E82)
YUV	94.0940, 17.7017, 15.7036
Hunter-Lab	32.4117, 17.2735, -18.3584

Details

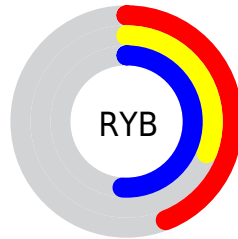
The XYZ color **13.4357, 10.5052, 22.4387** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **14.1820, 19.0024, 10.1285**, and the grayscale version is **10.6207, 11.1738, 12.1683**.

A 20% lighter version of the original color is **31.7835, 26.8566, 48.3084**, and **4.0144, 2.6690, 7.8930** is the 20% darker color. If you saturate the color by 10%, you get **12.0435, 8.5495, 22.1348**, and if you desaturate by 10%, it is **15.0398, 12.8417, 22.8053**.

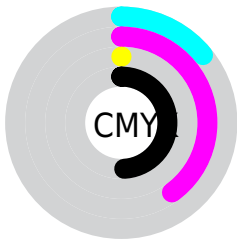
Distribution



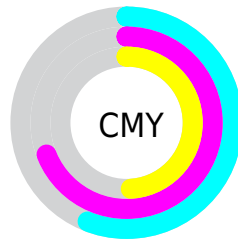
- Red (44%)
- Green (31%)
- Blue (51%)



- Red (44%)
- Yellow (31%)
- Blue (51%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (49%)



- Cyan (56%)
- Magenta (69%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4357, 10.5052, 22.4387 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 13.4357, 10.5052, 22.4387 by changing the saturation by 10% instead.

■ 13.4357, 10.5052,
22.4387

■ 13.4357, 10.5052,
22.4387

207.2731,
194.2407, 277.8567

■ 7.8083, 5.7352,
13.9782

■ 31.6790, 26.7415,
48.3815

■ 4.0233, 2.6847,
7.9669

■ 45.0257, 38.9766,
66.7008

■ 1.7153, 0.9694,
3.9863

■ 61.6762, 54.4688,
89.1435

■ 0.4658, 0.0000,
1.6178

■ 81.9958, 73.6025,
116.1282

■ 0.0000, 0.0000,
0.3035

■ 106.3500, 96.7622,
148.0733

■ 0.0000, 0.0000,
0.0000

135.1040,

124.3322, 185.3974

168.6233,
156.6969, 228.5190

■ 13.4357, 10.5052,
22.4387

■ 13.4357, 10.5052,
22.4387

■ 12.0435, 8.5495,
22.1348

■ 15.0398, 12.8417,
22.8053

■ 10.8510, 6.9515,
21.8892

■ 16.8652, 15.5779,
23.2372

■ 9.8461, 5.6875,
21.6982

■ 18.9217, 18.7327,
23.7378

■ 9.0149, 4.7303,
21.5572

■ 21.2184, 22.3236,
24.3099

■ 8.3413, 4.0483,
21.4611

■ 23.7638, 26.3671,
24.9562

7.7757, 3.5431,
21.3934

26.5659, 30.8787,
25.6793

7.7756, 3.5430,
21.3933

29.6325, 35.8732,
26.4817

32.9709, 41.3648,
27.3658

36.5881, 47.3672,
28.3337

Harmonies

Analogous

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



11.2222, 10.5052, 28.0240



13.4357, 10.5052, 22.4387



14.8102, 10.5052, 14.7348

Triad

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



13.4357, 10.5052, 22.4387



11.0778, 10.5052, 3.1254



6.3678, 10.5052, 15.1943

Complementary

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



13.4357, 10.5052, 22.4387



14.1820, 19.0024, 10.1285

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.



6.3412, 10.5052, 8.6744



13.4357, 10.5052, 22.4387



8.8420, 10.5052, 3.1689

Square

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



13.4357, 10.5052, 22.4387



13.3164, 10.5052, 4.6347



7.1821, 10.5052, 4.7904



7.2613, 10.5052, 22.8822

Rectangle

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



13.4357, 10.5052, 22.4387



14.9501, 10.5052, 10.2050



7.1821, 10.5052, 4.7904



6.2623, 10.5052, 12.7673

Sweetspot

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



13.4361, 10.5056, 22.4389



32.4624, 31.6600, 41.5925



11.3727, 11.6341, 22.7655



7.2617, 7.0336, 9.3932



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4361, 10.5056, 22.4389



21.4179, 15.3433, 39.0252



15.4559, 11.6051, 19.9031



4.3581, 4.3402, 5.4213



7.4630, 3.4010, 20.5131



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.0420, 11.0396, 12.4576



22.7847, 16.5069, 18.3502



12.7965, 18.2539, 11.6113



4.3845, 4.3669, 4.8290



9.2842, 4.7334, 2.8205



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4357, 10.5052, 22.4387 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 13.4357, 10.5052, 22.4387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

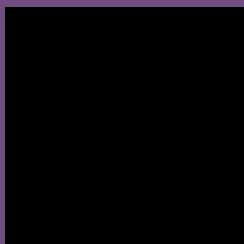
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 13.4357, 10.5052, 22.4387

Background



This preview shows how black text looks on a background with the XYZ color 13.4357, 10.5052, 22.4387.



This preview shows how white text looks on a background with the XYZ color 13.4357, 10.5052,

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

13.4357, 10.5052, 22.4387

Protanopia

11.2138, 10.6616, 26.2778

Deuteranopia

10.7769, 10.5331, 21.8872



Tritanopia

11.2474, 10.5101, 11.7918

Trichromacy



Original Color

13.4357, 10.5052, 22.4387

Protanomaly

11.7962, 10.5079, 24.6990

Deuteranomaly

11.6046, 10.4647, 22.1771

Tritanomaly

11.8791, 10.4153, 15.0199

Monochromacy



Original Color

13.4357, 10.5052, 22.4387

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.5104, 10.8077, 15.3893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4357, 10.5052, 22.4387 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(112, 78, 130)` looks like.

```
.text, #text, p{  
    color:rgb(112, 78, 130)  
}
```

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(112, 78, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 78, 130) }
```

Border

The CSS property to change the border of an element to XYZ 13.4357, 10.5052, 22.4387 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(112, 78, 130) }
```


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

```
.border{ border-color:rgb(112, 78, 130) }
```

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

Here you see how a box with a 4 pixel rgb(112, 78, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 78, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 78, 130);  
box-shadow:4px 4px 4px 4px rgb(112, 78,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4357, 10.5052, 22.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 78, 130) }
```

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

```
.background{ background-color: rgb(112, 78,  
130) }
```

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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