

Converting Colors

XYZ(13.2339, 10.9173, 23.9638)

Have a look what the booklet for
XYZ(13.2339, 10.9173, 23.9638)
contains.

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Color

**XYZ(13.2220, 10.9110,
23.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	695386
RGB	105, 83, 134
RGB Percent	41%, 33%, 53%
CMY	0.5882, 0.6745, 0.4745
CMYK	0.22, 0.38, 0.00, 0.47
HSL	266°, 24%, 43%
HSV	266°, 38%, 53%
XYZ	13.2220, 10.9110, 23.9634
YIQ	95.3920, -3.2590, 20.5250

Conversions

Conversions Part 2

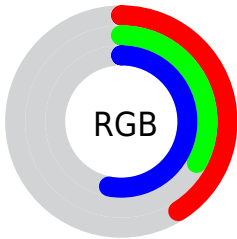
Format	Color
RYB	105, 83, 134
Decimal	6902662
CIELab	39.43, 20.15, -25.18
CIELCh	39, 32.252, 308.666
Yxy	10.9110, 0.2749, 0.2269
Android (android.graphics.Color)	4285092742 (0xFF695386)
YUV	95.3920, 19.0337, 8.4262
Hunter-Lab	33.0318, 13.6445, -19.8905

Details

The XYZ color **13.2220, 10.9110, 23.9634** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.7689, 21.1197, 11.3768**, and the grayscale version is **10.9279, 11.4970, 12.5202**.

A 20% lighter version of the original color is **31.2618, 27.5310, 50.6800**, and **3.9242, 2.8671, 8.7341** is the 20% darker color. If you saturate the color by 10%, you get **11.4390, 8.6144, 23.6143**, and if you desaturate by 10%, it is **15.2842, 13.6462, 24.3828**.

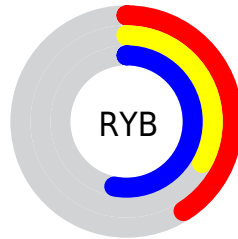
Distribution



Red (41%)

Green (33%)

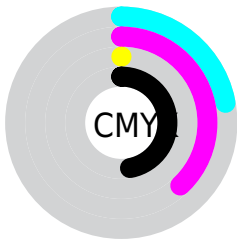
Blue (53%)



Red (41%)

Yellow (33%)

Blue (53%)

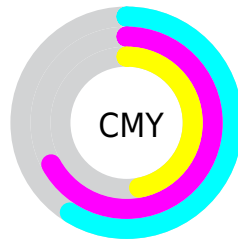


Cyan (22%)

Magenta (38%)

Yellow (0%)

Black (47%)



Cyan (59%)

Magenta (67%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2220, 10.9110, 23.9634 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 13.2220, 10.9110, 23.9634 by changing the saturation by 10% instead.

■ 13.2220, 10.9110,
23.9634

■ 13.2220, 10.9110,
23.9634

205.9445,
197.0559, 285.9160

■ 7.6596, 6.0070,
15.0945

■ 31.3000, 27.4955,
50.9136

■ 3.9279, 2.8493,
8.7384

■ 44.5463, 39.9448,
69.8319

■ 1.6614, 1.0536,
4.4765

■ 61.0847, 55.6779,
92.9372

■ 0.4319, 0.0000,
1.8902

■ 81.2804, 75.0794,
120.6479

■ 0.0000, 0.0000,
0.4865

■ 105.4990, 98.5335,
153.3826

■ 0.0000, 0.0000,
0.0000

134.1056,

126.4247, 191.5598

167.4656,
159.1374, 235.5981

■ 13.2220, 10.9110,
23.9634

■ 13.2220, 10.9110,
23.9634

■ 11.4390, 8.6144,
23.6143

■ 15.2842, 13.6462,
24.3828

■ 9.9204, 6.7310,
23.3308

■ 17.6369, 16.8408,
24.8755

■ 8.6519, 5.2349,
23.1089

■ 20.2923, 20.5158,
25.4449

■ 7.6168, 4.0965,
22.9437

■ 23.2615, 24.6906,
26.0942

■ 6.7965, 3.2817,
22.8296

■ 26.5548, 29.3833,
26.8264

6.1518, 2.7162,
22.7545

30.1824, 34.6113,
27.6443

6.0366, 2.6149,
22.7410

34.1537, 40.3912,
28.5506

38.4778, 46.7386,
29.5479

43.1635, 53.6687,
30.6386

Harmonies

Analogous

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



11.0163, 10.9110, 28.1786



13.2220, 10.9110, 23.9634



14.7950, 10.9110, 16.8152

Triad

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



13.2220, 10.9110, 23.9634



11.9747, 10.9110, 3.8295



6.7482, 10.9110, 13.7862

Complementary

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



13.2220, 10.9110, 23.9634



16.7689, 21.1197, 11.3768

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.



6.9299, 10.9110, 8.0197



13.2220, 10.9110, 23.9634



9.7506, 10.9110, 3.5155

Square

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



13.2220, 10.9110, 23.9634



14.0075, 10.9110, 5.8386



7.9617, 10.9110, 4.7462



7.4249, 10.9110, 21.0907

Rectangle

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



13.2220, 10.9110, 23.9634



15.1613, 10.9110, 12.1624



7.9617, 10.9110, 4.7462



6.7131, 10.9110, 11.6024

Sweetspot

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



13.2224, 10.9114, 23.9636



34.2041, 33.9911, 44.4966



13.7480, 15.3152, 24.7860



7.5862, 7.4919, 9.9989



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.



13.2224, 10.9114, 23.9636



20.4606, 15.5660, 41.6646



16.5643, 12.6342, 24.1200



4.6109, 4.6355, 5.8525



5.6691, 2.4567, 21.3121



0.0277, 0.0127, 0.0742

Inverse Universe

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



15.8497, 12.4251, 16.8926



25.9522, 18.7346, 26.6715



14.0406, 19.7133, 11.2491



4.7752, 4.7298, 5.4286



10.4480, 5.2435, 6.9313



0.0399, 0.0196, 0.0433

Previews

White Background



This preview shows how the XYZ color 13.2220, 10.9110, 23.9634 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 13.2220, 10.9110, 23.9634 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 13.2220, 10.9110, 23.9634

Background



This preview shows how black text looks on a background with the XYZ color 13.2220, 10.9110, 23.9634.



This preview shows how white text looks on a background with the XYZ color 13.2220, 10.9110,

23.9634.

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

13.2220, 10.9110, 23.9634

Protanopia

11.5293, 10.9418, 26.7036

Deuteranopia

11.2165, 10.9825, 23.3585



Tritanopia

11.0913, 11.0167, 13.0971

Trichromacy



Original Color

13.2220, 10.9110, 23.9634

Protanomaly

12.0076, 10.8407, 25.5043

Deuteranomaly

11.8305, 10.9129, 23.6732

Tritanomaly

11.7258, 10.8938, 16.5236

Monochromacy



Original Color

13.2220, 10.9110, 23.9634

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6470, 11.2389, 16.0235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2220, 10.9110, 23.9634 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(105, 83, 134)` looks like.

```
.text, #text, p{  
    color:rgb(105, 83, 134)  
}
```

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(105, 83, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 83, 134) }
```

Border

The CSS property to change the border of an element to XYZ 13.2220, 10.9110, 23.9634 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(105, 83, 134) }
```


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

```
.border{ border-color:rgb(105, 83, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 83, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 83, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 83, 134);  
box-shadow:4px 4px 4px 4px rgb(105, 83,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2220, 10.9110, 23.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 83, 134) }
```

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

```
.background{ background-color: rgb(105, 83,  
134) }
```

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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