

Converting Colors

XYZ(22.1318, 13.6624, 40.6011)

Have a look what the booklet for
XYZ(22.1318, 13.6624, 40.6011)
contains.

XYZ(22.1522, 13.7188, 40.5102)	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(22.1522, 13.7188,
40.5102)**

Conversions

Conversions Part 1

Format	Color
Hex	9645AC
RGB	150, 69, 172
RGB Percent	59%, 27%, 67%
CMY	0.4118, 0.7294, 0.3255
CMYK	0.13, 0.60, 0.00, 0.33
HSL	287°, 43%, 47%
HSV	287°, 60%, 67%
XYZ	22.1522, 13.7188, 40.5102
YIQ	104.9610, 15.2130, 49.2050

Conversions

Conversions Part 2

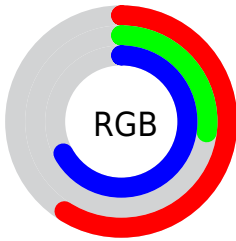
Format	Color
R_{YB}	150, 69, 172
Decimal	9848236
CIE _{Lab}	43.83, 49.83, -40.70
CIE _{LCh}	44, 64.334, 320.760
Yxy	13.7188, 0.2900, 0.1796
Android (android.graphics.Color)	4288038316 (0xFF9645AC)
YUV	104.9610, 33.0502, 39.4992
Hunter-Lab	37.0389, 41.9391, -38.9195

Details

The XYZ color **22.1522, 13.7188, 40.5102** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.1414, 32.1592, 10.7765**, and the grayscale version is **13.3277, 14.0218, 15.2698**.

A 20% lighter version of the original color is **46.4167, 32.6423, 77.2530**, and **8.2733, 4.0581, 17.8000** is the 20% darker color. If you saturate the color by 10%, you get **20.5781, 11.5581, 40.1763**, and if you desaturate by 10%, it is **24.0552, 16.5048, 40.9479**.

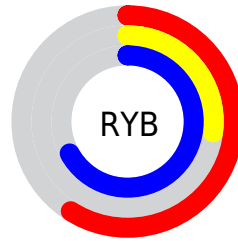
Distribution



Red (59%)

Green (27%)

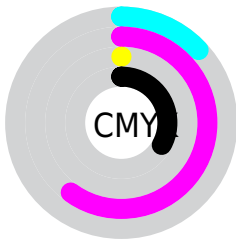
Blue (67%)



Red (59%)

Yellow (27%)

Blue (67%)

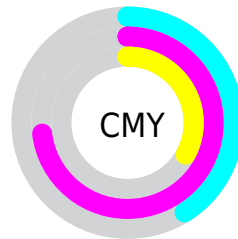


Cyan (13%)

Magenta (60%)

Yellow (0%)

Black (33%)



Cyan (41%)

Magenta (73%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1522, 13.7188, 40.5102 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 22.1522, 13.7188, 40.5102 by changing the saturation by 10% instead.

■ 22.1522, 13.7188,
40.5102

■ 22.1522, 13.7188,
40.5102

255.9575,
215.4744, 363.8852

■ 14.0860, 7.9253,
27.6198

■ 46.4744, 32.5892,
77.1854

■ 8.2626, 4.0472,
17.8027

■ 63.4611, 46.4350,
101.8072

■ 4.3167, 1.7000,
10.6404

■ 84.1521, 63.7337,
131.1765

■ 1.8828, 0.4237,
5.7145

■ 108.9126, 84.8697,
165.7119

■ 0.5668, 0.0000,
2.6063

■ 138.1080,
110.2273, 205.8320

■ 0.0000, 0.0000,
0.8957

172.1038,

■ 0.0000, 0.0000,

140.1911, 251.9552

0.0000

211.2651,
175.1453, 304.5000

■ 22.1522, 13.7188,
40.5102

■ 22.1522, 13.7188,
40.5102

■ 20.5781, 11.5581,
40.1763

■ 24.0552, 16.5048,
40.9479

■ 19.3038, 9.9662,
39.9362

■ 26.3097, 19.9627,
41.4965

■ 18.2974, 8.8794,
39.7795

■ 28.9382, 24.1365,
42.1636

■ 17.4898, 8.1594,
39.6831

■ 31.9607, 29.0659,
42.9557

■ 17.4806, 8.1514,
39.6820

■ 35.3957, 34.7878,
43.8791

■ 39.2606, 41.3367,
44.9395

■ 43.5716, 48.7447,
46.1422

■ 48.3442, 57.0426,
47.4923

■ 53.5932, 66.2595,
48.9947

Harmonies

Analogous

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



16.8133, 13.7188, 59.2770



22.1522, 13.7188, 40.5102



25.2383, 13.7188, 19.8899

Triad

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



22.1522, 13.7188, 40.5102



14.6700, 13.7188, 0.8435



5.8771, 13.7188, 27.1954

Complementary

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



22.1522, 13.7188, 40.5102



20.1414, 32.1592, 10.7765

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.



5.5841, 13.7188, 10.8839



22.1522, 13.7188, 40.5102



9.8771, 13.7188, 1.0816

Square

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



22.1522, 13.7188, 40.5102



20.2382, 13.7188, 2.0636



6.8473, 13.7188, 3.3155



7.7889, 13.7188, 48.7242

Rectangle

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



22.1522, 13.7188, 40.5102



25.1686, 13.7188, 10.3036



6.8473, 13.7188, 3.3155



5.6097, 13.7188, 20.7864

Sweetspot

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



22.1527, 13.7194, 40.5105



58.9029, 54.2522, 78.1730



13.6693, 11.7807, 40.5834



12.4406, 11.1959, 16.8930



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.1527, 13.7194, 40.5105



36.4852, 19.8732, 72.7187



24.0858, 15.0050, 27.5411



8.1671, 8.0605, 10.0781



13.0555, 6.0903, 29.5319



0.4045, 0.1907, 0.8235

Inverse Universe

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



21.0301, 13.7827, 11.4498



34.8064, 20.3172, 13.4798



19.4205, 31.6559, 16.6879



8.0726, 8.0423, 8.6934



12.9232, 6.6318, 1.9750



0.3791, 0.1923, 0.1579

Previews

White Background



This preview shows how the XYZ color 22.1522, 13.7188, 40.5102 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 22.1522, 13.7188, 40.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

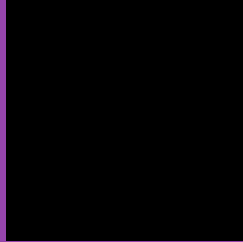
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1522, 13.7188, 40.5102

Background



This preview shows how black text looks on a background with the XYZ color 22.1522, 13.7188, 40.5102.



This preview shows how white text looks on a background with the XYZ color 22.1522, 13.7188,

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

22.1522, 13.7188, 40.5102

Protanopia

16.4294, 14.1327, 58.3619

Deuteranopia

14.2875, 13.9190, 38.0100



Tritanopia

16.4613, 13.6644, 13.0791

Trichromacy



Original Color

22.1522, 13.7188, 40.5102

Protanomaly

16.5665, 12.7444, 51.4559

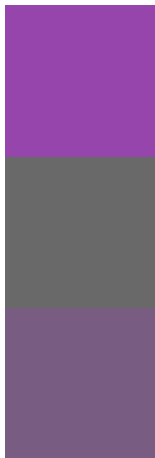
Deuteranomaly

15.8460, 12.9060, 38.7017

Tritanomaly

17.9831, 13.3295, 20.6938

Monochromacy



Original Color

22.1522, 13.7188, 40.5102

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.6748, 13.3042, 22.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1522, 13.7188, 40.5102 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(150, 69, 172)` looks like.

```
.text, #text, p{  
    color:rgb(150, 69, 172)  
}
```

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(150, 69, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 69, 172) }
```

Border

The CSS property to change the border of an element to XYZ 22.1522, 13.7188, 40.5102 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(150, 69, 172) }
```


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

```
.border{ border-color:rgb(150, 69, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 69, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 69, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 69, 172);  
box-shadow:4px 4px 4px 4px rgb(150, 69,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1522, 13.7188, 40.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 69, 172) }
```

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

```
.background{ background-color: rgb(150, 69,  
172) }
```

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