

Converting Colors

XYZ(22.0821, 16.1435, 33.4051)

Have a look what the booklet for
XYZ(22.0821, 16.1435, 33.4051)
contains.

XYZ(22.0513, 16.1022, 33.3983)	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(22.0513, 16.1022,
33.3983)**

Conversions

Conversions Part 1

Format	Color
Hex	955A9C
RGB	149, 90, 156
RGB Percent	58%, 35%, 61%
CMY	0.4157, 0.6470, 0.3882
CMYK	0.04, 0.42, 0.00, 0.39
HSL	294°, 27%, 48%
HSV	294°, 42%, 61%
XYZ	22.0513, 16.1022, 33.3983
YIQ	115.1650, 13.9780, 33.0340

Conversions

Conversions Part 2

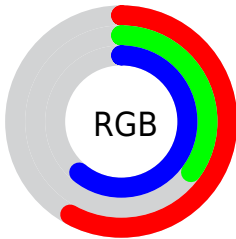
Format	Color
R_{YB}	149, 90, 156
Decimal	9788060
CIE _{Lab}	47.11, 35.22, -26.07
CIE _{LCh}	47, 43.817, 323.483
Yxy	16.1022, 0.3082, 0.2250
Android (android.graphics.Color)	4287978140 (0xFF955A9C)
YUV	115.1650, 20.1317, 29.6733
Hunter-Lab	40.1275, 27.8679, -21.2580

Details

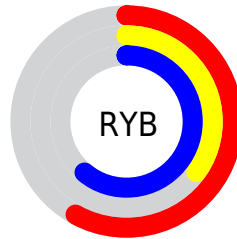
The XYZ color **22.0513, 16.1022, 33.3983** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.6643, 27.0569, 13.9125**, and the grayscale version is **16.2841, 17.1321, 18.6569**.

A 20% lighter version of the original color is **46.3327, 36.8865, 66.3058**, and **8.2214, 5.1267, 13.6529** is the 20% darker color. If you saturate the color by 10%, you get **20.5714, 13.5870, 32.9911**, and if you desaturate by 10%, it is **23.8127, 19.1733, 33.8985**.

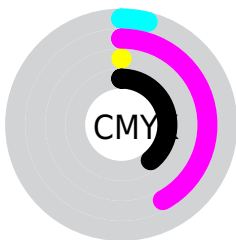
Distribution



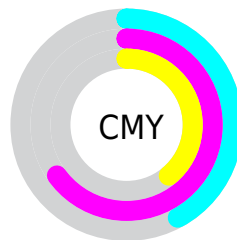
- Red (58%)
- Green (35%)
- Blue (61%)



- Red (58%)
- Yellow (35%)
- Blue (61%)



- Cyan (4%)
- Magenta (42%)
- Yellow (0%)
- Black (39%)



- Cyan (42%)
- Magenta (65%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0513, 16.1022, 33.3983 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 22.0513, 16.1022, 33.3983 by changing the saturation by 10% instead.

■ 22.0513, 16.1022,
33.3983

■ 22.0513, 16.1022,
33.3983

255.4414,
229.9440, 332.1276

■ 14.0114, 9.5965,
22.1581

■ 46.3090, 36.7755,
66.1200

■ 8.2104, 5.1323,
13.7737

■ 63.2575, 51.7120,
88.4387

■ 4.2828, 2.3251,
7.8265

■ 83.9063, 70.2274,
115.2872

■ 1.8633, 0.7869,
3.8980

■ 108.6207, 92.7063,
147.0843

■ 0.5554, 0.0000,
1.5695

137.7660,
119.5330, 184.2482

■ 0.0000, 0.0000,
0.2689

171.7077,

■ 0.0000, 0.0000,

151.0919, 227.1978

0.0000

210.8110,
187.7675, 276.3514

■ 22.0513, 16.1022,
33.3983

■ 22.0513, 16.1022,
33.3983

■ 20.5714, 13.5870,
32.9911

■ 23.8127, 19.1733,
33.8985

■ 19.3540, 11.5909,
32.6699

■ 25.8699, 22.8300,
34.4959

■ 18.3802, 10.0755,
32.4288

■ 28.2383, 27.1025,
35.1957

■ 17.6278, 8.9968,
32.2602

■ 30.9314, 32.0181,
36.0026

■ 17.0706, 8.3023,
32.1555

■ 33.9622, 37.6027,
36.9208

■ 16.7244, 7.9285,
32.1016

■ 37.3430, 43.8806,
37.9543

■ 41.0852, 50.8749,
39.1072

■ 45.1999, 58.6077,
40.3829

■ 49.6977, 67.1002,
41.7850

Harmonies

Analogous

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



18.4450, 16.1022, 45.0183



22.0513, 16.1022, 33.3983



23.8915, 16.1022, 20.0481

Triad

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



22.0513, 16.1022, 33.3983



16.1595, 16.1022, 3.7851



9.4741, 16.1022, 27.3997

Complementary

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



22.0513, 16.1022, 33.3983



18.6643, 27.0569, 13.9125

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.



9.0698, 16.1022, 15.2368



22.0513, 16.1022, 33.3983



12.5427, 16.1022, 4.3975

Square

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



22.0513, 16.1022, 33.3983



20.1410, 16.1022, 5.4246



10.0970, 16.1022, 7.7075



11.3120, 16.1022, 40.6594

Rectangle

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



22.0513, 16.1022, 33.3983



23.6821, 16.1022, 13.0431



10.0970, 16.1022, 7.7075



9.1804, 16.1022, 22.9494

Sweetspot

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



22.0518, 16.1029, 33.3986



50.8540, 48.4374, 63.7958



14.5576, 13.2541, 33.2438



10.9859, 10.2886, 13.9772



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.0518, 16.1029, 33.3986



37.4359, 24.7992, 59.9404



21.4434, 16.0115, 23.3272



6.8348, 6.7188, 8.3433



13.7930, 6.5396, 26.4425



0.2645, 0.1262, 0.4736

Inverse Universe

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



19.5247, 15.2440, 13.2234



32.3241, 23.0916, 17.7908



19.2173, 27.1957, 20.5475



6.6602, 6.6570, 7.0620



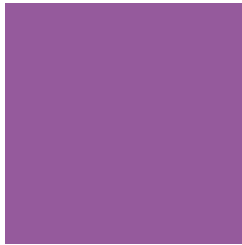
11.3804, 5.8567, 0.9880



0.2108, 0.1077, 0.0563

Previews

White Background



This preview shows how the XYZ color 22.0513, 16.1022, 33.3983 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



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 22.0513, 16.1022, 33.3983

Background



This preview shows how black text looks on a background with the XYZ color 22.0513, 16.1022, 33.3983.

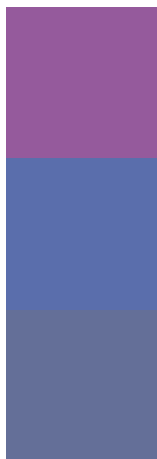


This preview shows how white text looks on a background with the XYZ color 22.0513, 16.1022,

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

22.0513, 16.1022, 33.3983

Protanopia

17.2388, 16.3041, 41.2681

Deuteranopia

16.6075, 16.3452, 31.9854



Tritanopia

18.6881, 16.2297, 16.3350

Trichromacy



Original Color

22.0513, 16.1022, 33.3983

Protanomaly

18.2887, 15.8332, 38.1686

Deuteranomaly

18.0712, 15.8520, 32.2443

Tritanomaly

19.6534, 16.0498, 21.4641

Monochromacy



Original Color

22.0513, 16.1022, 33.3983

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.9357, 16.4318, 23.3454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0513, 16.1022, 33.3983 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(149, 90, 156)` looks like.

```
.text, #text, p{  
    color:rgb(149, 90, 156)  
}
```

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(149, 90, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 90, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.0513, 16.1022, 33.3983 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(149, 90, 156) }
```


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

```
.border{ border-color:rgb(149, 90, 156) }
```

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

Here you see how a box with a 4 pixel rgb(149, 90, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 90, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 90, 156);  
box-shadow:4px 4px 4px 4px rgb(149, 90,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0513, 16.1022, 33.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 90, 156) }
```

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

```
.background{ background-color: rgb(149, 90,  
156) }
```

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