

Converting Colors

XYZ(22.0965, 12.5012, 50.6830)

Have a look what the booklet for
XYZ(22.0965, 12.5012, 50.6830)
contains.

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Color

**XYZ(22.0224, 12.4386,
50.5304)**

Conversions

Conversions Part 1

Format	Color
Hex	8E39BF
RGB	142, 57, 191
RGB Percent	56%, 22%, 75%
CMY	0.4431, 0.7765, 0.2510
CMYK	0.26, 0.70, 0.00, 0.25
HSL	278°, 54%, 49%
HSV	278°, 70%, 75%
XYZ	22.0224, 12.4386, 50.5304
YIQ	97.6910, 7.6460, 59.6940

Conversions

Conversions Part 2

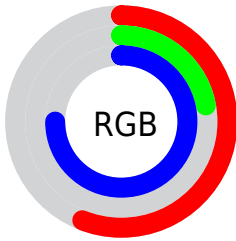
Format	Color
R_{YB}	142, 57, 191
Decimal	9320895
CIE _{Lab}	41.90, 57.51, -55.01
CIE _{LCh}	42, 79.581, 316.274
Yxy	12.4386, 0.2591, 0.1464
Android (android.graphics.Color)	4287510975 (0xFF8E39BF)
YUV	97.6910, 46.0013, 38.8590
Hunter-Lab	35.2684, 49.7398, -60.2592

Details

The XYZ color **22.0224, 12.4386, 50.5304** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **25.3134, 40.6214, 10.3778**, and the grayscale version is **11.4217, 12.0165, 13.0860**.

A 20% lighter version of the original color is **46.1809, 30.2883, 92.2192**, and **8.3531, 3.7846, 23.9571** is the 20% darker color. If you saturate the color by 10%, you get **20.0886, 10.2940, 50.2186**, and if you desaturate by 10%, it is **24.3875, 15.3329, 50.9646**.

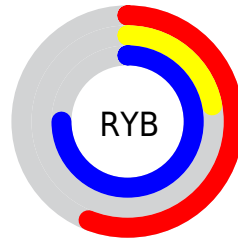
Distribution



Red (56%)

Green (22%)

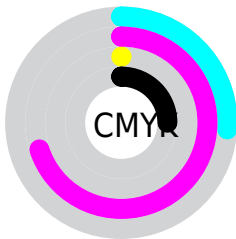
Blue (75%)



Red (56%)

Yellow (22%)

Blue (75%)

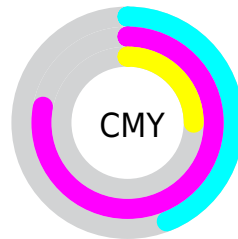


Cyan (26%)

Magenta (70%)

Yellow (0%)

Black (25%)



Cyan (44%)

Magenta (78%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0224, 12.4386, 50.5304 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 22.0224, 12.4386, 50.5304 by changing the saturation by 10% instead.

■ 22.0224, 12.4386,
50.5304

■ 22.0224, 12.4386,
50.5304

255.2934,
207.2877, 405.5309

■ 13.9901, 7.0431,
35.4609

■ 46.2616, 30.2914,
92.3646

■ 8.1954, 3.4891,
23.7317

■ 63.1992, 43.5176,
119.9664

■ 4.2731, 1.3921,
14.9244

■ 83.8358, 60.1228,
152.5827

■ 1.8578, 0.2109,
8.6203

■ 108.5370, 80.4914,
190.6321

■ 0.5521, 0.0000,
4.4009

■ 137.6680,
105.0078, 234.5330

■ 0.0000, 0.0000,
1.8478

■ 171.5941,

■ 0.0000, 0.0000,

134.0563, 284.7041

0.4592

210.6808,
168.0215, 341.5639

■ 0.0000, 0.0000,
0.0000

■ 22.0224, 12.4386,
50.5304

■ 22.0224, 12.4386,
50.5304

■ 20.0886, 10.2940,
50.2186

■ 24.3875, 15.3329,
50.9646

■ 18.5407, 8.8125,
50.0142

■ 27.2191, 19.0475,
51.5324

■ 17.3114, 7.8380,
49.8909

■ 30.5505, 23.6463,
52.2445

■ 34.4111, 29.1863,
53.1103

■ 38.8279, 35.7196,
54.1386

■ 43.8260, 43.2945,
55.3372

■ 49.4286, 51.9559,
56.7138

■ 55.6578, 61.7463,
58.2752

■ 62.5346, 72.7056,
60.0281

Harmonies

Analogous

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



15.2831, 12.4386, 74.4906



22.0224, 12.4386, 50.5304



26.5624, 12.4386, 22.7739

Triad

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



22.0224, 12.4386, 50.5304



14.7141, 12.4386, 0.0000



3.9505, 12.4386, 24.7974

Complementary

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



22.0224, 12.4386, 50.5304



25.3134, 40.6214, 10.3778

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.



3.8882, 12.4386, 7.2204



22.0224, 12.4386, 50.5304



8.9283, 12.4386, 0.0000

Square

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



22.0224, 12.4386, 50.5304



21.4887, 12.4386, 1.0321



5.3886, 12.4386, 1.2261



5.6019, 12.4386, 53.0189

Rectangle

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



22.0224, 12.4386, 50.5304



27.0027, 12.4386, 10.3037



5.3886, 12.4386, 1.2261



3.7678, 12.4386, 17.3999

Sweetspot

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



22.0230, 12.4391, 50.5307



68.5569, 62.5020, 96.7299



16.2594, 14.9674, 51.3225



14.5538, 12.9796, 21.1235



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.0230, 12.4391, 50.5307



34.4635, 16.9263, 89.7298



30.5050, 17.0252, 41.2816



9.5825, 9.5171, 12.0041



11.4677, 5.1979, 32.7918



0.5187, 0.2394, 1.2877

Inverse Universe

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



25.5507, 15.0435, 15.1928



42.3522, 22.5775, 18.5122



21.5839, 38.6379, 12.9533



9.6705, 9.5925, 10.6538



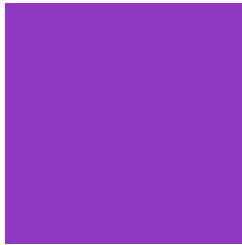
14.8792, 7.5828, 4.6573



0.6146, 0.3097, 0.3498

Previews

White Background



This preview shows how the XYZ color 22.0224, 12.4386, 50.5304 looks on a white background.

Color Contrast Check

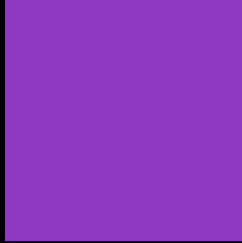
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0224, 12.4386, 50.5304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

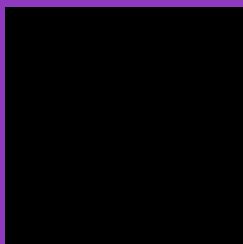
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0224, 12.4386, 50.5304

Background



This preview shows how black text looks on a background with the XYZ color 22.0224, 12.4386, 50.5304.



This preview shows how white text looks on a background with the XYZ color 22.0224, 12.4386,

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

22.0224, 12.4386, 50.5304

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

14.2879, 12.4249, 12.7115

Trichromacy



Original Color

22.0224, 12.4386, 50.5304



Protanomaly

14.7423, 10.8882, 55.3575



Deuteranomaly

13.2119, 10.6460, 46.1583



Tritanomaly

16.2663, 11.8520, 22.9031

Monochromacy



Original Color

22.0224, 12.4386, 50.5304



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

14.1975, 11.4299, 23.2877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0224, 12.4386, 50.5304 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(142, 57, 191)` looks like.

```
.text, #text, p{  
    color:rgb(142, 57, 191)  
}
```

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(142, 57, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 57, 191) }
```

Border

The CSS property to change the border of an element to XYZ 22.0224, 12.4386, 50.5304 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(142, 57, 191) }
```


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

```
.border{ border-color:rgb(142, 57, 191) }
```

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

Here you see how a box with a 4 pixel rgb(142, 57, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 57, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 57, 191);  
box-shadow:4px 4px 4px 4px rgb(142, 57,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0224, 12.4386, 50.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 57, 191) }
```

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

```
.background{ background-color: rgb(142, 57,  
191) }
```

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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