

Converting Colors

XYZ(22.0563, 12.9825, 49.9123)

Have a look what the booklet for
XYZ(22.0563, 12.9825, 49.9123)
contains.

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Color

**XYZ(22.1122, 13.0472,
50.0681)**

Conversions

Conversions Part 1

Format	Color
Hex	8D40BE
RGB	141, 64, 190
RGB Percent	55%, 25%, 75%
CMY	0.4470, 0.7490, 0.2549
CMYK	0.26, 0.66, 0.00, 0.25
HSL	277°, 50%, 50%
HSV	277°, 66%, 75%
XYZ	22.1122, 13.0472, 50.0681
YIQ	101.3870, 5.4460, 55.5100

Conversions

Conversions Part 2

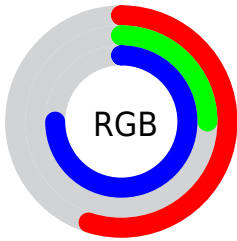
Format	Color
R_{YB}	141, 64, 190
Decimal	9257150
CIE _{Lab}	42.83, 53.92, -52.93
CIE _{LCh}	43, 75.559, 315.530
Yxy	13.0472, 0.2594, 0.1531
Android (android.graphics.Color)	4287447230 (0xFF8D40BE)
YUV	101.3870, 43.6862, 34.7406
Hunter-Lab	36.1209, 46.0611, -56.8987

Details

The XYZ color **22.1122, 13.0472, 50.0681** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **26.1490, 40.7080, 11.3300**, and the grayscale version is **12.3597, 13.0033, 14.1606**.

A 20% lighter version of the original color is **46.4385, 31.4437, 91.6174**, and **8.2925, 3.7777, 23.5847** is the 20% darker color. If you saturate the color by 10%, you get **20.0029, 10.6313, 49.7132**, and if you desaturate by 10%, it is **24.6714, 16.2370, 50.5492**.

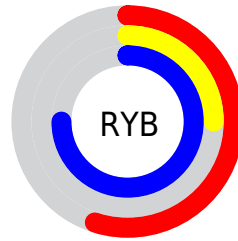
Distribution



Red (55%)

Green (25%)

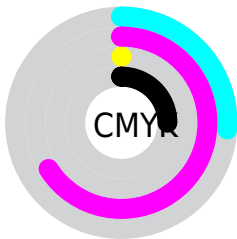
Blue (75%)



Red (55%)

Yellow (25%)

Blue (75%)

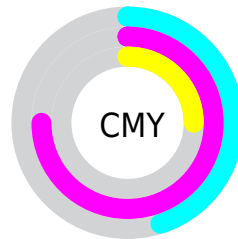


Cyan (26%)

Magenta (66%)

Yellow (0%)

Black (25%)



Cyan (45%)

Magenta (75%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1122, 13.0472, 50.0681 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 22.1122, 13.0472, 50.0681 by changing the saturation by 10% instead.

■ 22.1122, 13.0472,
50.0681

■ 22.1122, 13.0472,
50.0681

255.7530,
211.2199, 403.6749

■ 14.0564, 7.4611,
35.0960

■ 46.4088, 31.3886,
91.6731

■ 8.2419, 3.7521,
23.4527

■ 63.3804, 44.9126,
119.1431

■ 4.3032, 1.5359,
14.7197

■ 84.0547, 61.8513,
151.6160

■ 1.8751, 0.3138,
8.4784

■ 108.7969, 82.5892,
189.5105

■ 0.5623, 0.0000,
4.3105

■ 137.9725,
107.5106, 233.2451

■ 0.0000, 0.0000,
1.7972

171.9468,

■ 0.0000, 0.0000,

136.9999, 283.2384

0.4261

211.0852,
171.4416, 339.9088

■ 0.0000, 0.0000,
0.0000

■ 22.1122, 13.0472,
50.0681

■ 22.1122, 13.0472,
50.0681

■ 20.0029, 10.6313,
49.7132

■ 24.6714, 16.2370,
50.5492

■ 18.3012, 8.9094,
49.4705

■ 27.7136, 20.2669,
51.1666

■ 16.9557, 7.7801,
49.3235

■ 31.2707, 25.1973,
51.9308

■ 16.5119, 7.4385,
49.2809

■ 35.3710, 31.0828,
52.8507

■ 40.0405, 37.9733,
53.9346

■ 45.3035, 45.9153,
55.1902

■ 51.1829, 54.9524,
56.6247

■ 57.7001, 65.1254,
58.2448

■ 64.8755, 76.4733,
60.0569

Harmonies

Analogous

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



15.6118, 13.0472, 71.9954



22.1122, 13.0472, 50.0681



26.5282, 13.0472, 23.7066

Triad

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



22.1122, 13.0472, 50.0681



15.3821, 13.0472, 0.0482



4.4936, 13.0472, 24.5135

Complementary

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



22.1122, 13.0472, 50.0681



26.1490, 40.7080, 11.3300

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.



4.4667, 13.0472, 7.6586



22.1122, 13.0472, 50.0681



9.6636, 13.0472, 0.0735

Square

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



22.1122, 13.0472, 50.0681



21.8997, 13.0472, 1.4603



6.0535, 13.0472, 1.5534



6.1438, 13.0472, 51.0358

Rectangle

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



22.1122, 13.0472, 50.0681



27.0294, 13.0472, 11.3614



6.0535, 13.0472, 1.5534



4.3165, 13.0472, 17.4902

Sweetspot

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



22.1128, 13.0477, 50.0684



69.0398, 63.5827, 96.9130



17.4715, 16.9331, 51.0630



14.6345, 13.1868, 21.1593



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.



22.1128, 13.0477, 50.0684



34.6247, 17.5638, 89.8444



31.0446, 17.8045, 43.6050



9.5609, 9.5060, 12.0031



11.0694, 4.9926, 32.7731



0.5048, 0.2323, 1.2871

Inverse Universe

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



26.0494, 15.8065, 17.3007



43.3925, 23.5912, 22.1478



21.8536, 38.4473, 13.2170



9.6796, 9.5962, 10.7019



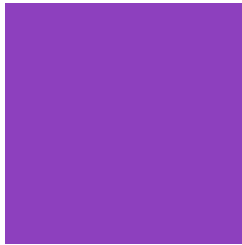
14.9756, 7.6214, 5.1649



0.6188, 0.3114, 0.3721

Previews

White Background



This preview shows how the XYZ color 22.1122, 13.0472, 50.0681 looks on a white background.

Color Contrast Check

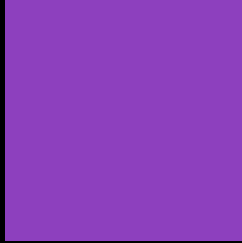
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1122, 13.0472, 50.0681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

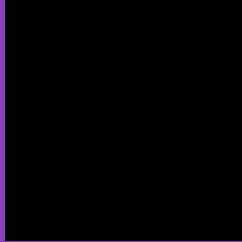
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1122, 13.0472, 50.0681

Background



This preview shows how black text looks on a background with the XYZ color 22.1122, 13.0472, 50.0681.



This preview shows how white text looks on a background with the XYZ color 22.1122, 13.0472,

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

22.1122, 13.0472, 50.0681

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.5249, 13.1971, 46.0904



Tritanopia

14.6835, 12.9908, 13.5379

Trichromacy



Original Color

22.1122, 13.0472, 50.0681



Protanomaly

15.2356, 11.5764, 56.6898



Deuteranomaly

14.3159, 11.6717, 47.3973



Tritanomaly

16.5422, 12.5258, 23.3757

Monochromacy



Original Color

22.1122, 13.0472, 50.0681



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

14.9258, 12.3859, 23.7943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1122, 13.0472, 50.0681 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(141, 64, 190)` looks like.

```
.text, #text, p{  
    color:rgb(141, 64, 190)  
}
```

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(141, 64, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 64, 190) }
```

Border

The CSS property to change the border of an element to XYZ 22.1122, 13.0472, 50.0681 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(141, 64, 190) }
```


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

```
.border{ border-color:rgb(141, 64, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 64, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 64, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 64, 190);  
box-shadow:4px 4px 4px 4px rgb(141, 64,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1122, 13.0472, 50.0681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 64, 190) }
```

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

```
.background{ background-color: rgb(141, 64,  
190) }
```

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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