

Converting Colors

XYZ(22.2950, 14.1895, 27.5014)

Have a look what the booklet for
XYZ(22.2950, 14.1895, 27.5014)
contains.

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Color

**XYZ(22.2523, 14.1500,
27.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	A3468F
RGB	163, 70, 143
RGB Percent	64%, 27%, 56%
CMY	0.3608, 0.7255, 0.4392
CMYK	0.00, 0.57, 0.12, 0.36
HSL	313°, 40%, 46%
HSV	313°, 57%, 64%
XYZ	22.2523, 14.1500, 27.5450
YIQ	106.1290, 31.9950, 42.4190

Conversions

Conversions Part 2

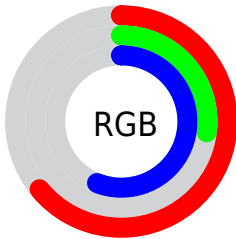
Format	Color
R_{YB}	163, 70, 143
Decimal	10700431
CIE _{Lab}	44.45, 47.62, -22.27
CIE _{LCh}	44, 52.566, 334.933
Yxy	14.1500, 0.3480, 0.2213
Android (android.graphics.Color)	4288890511 (0xFFA3468F)
YUV	106.1290, 18.1774, 49.8759
Hunter-Lab	37.6165, 39.7641, -17.0841

Details

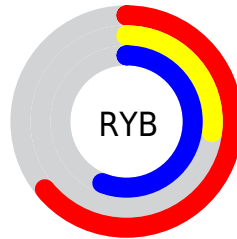
The XYZ color **22.2523, 14.1500, 27.5450** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.4691, 28.2351, 14.2031**, and the grayscale version is **13.6811, 14.3935, 15.6746**.

A 20% lighter version of the original color is **46.6762, 33.4128, 56.8125**, and **8.2358, 4.2002, 10.5019** is the 20% darker color. If you saturate the color by 10%, you get **21.1063, 12.2761, 25.8732**, and if you desaturate by 10%, it is **23.6843, 16.5820, 29.3533**.

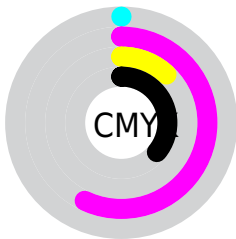
Distribution



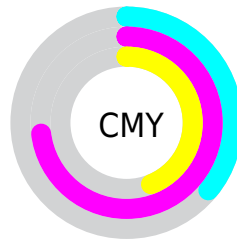
- Red (64%)
- Green (27%)
- Blue (56%)



- Red (64%)
- Yellow (27%)
- Blue (56%)



- Cyan (0%)
- Magenta (57%)
- Yellow (12%)
- Black (36%)



- Cyan (36%)
- Magenta (73%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2523, 14.1500, 27.5450 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 22.2523, 14.1500, 27.5450 by changing the saturation by 10% instead.

■ 22.2523, 14.1500,
27.5450

■ 22.2523, 14.1500,
27.5450

256.4687,
218.1620, 304.1296

■ 14.1600, 8.2251,
17.7469

■ 46.6384, 33.3549,
56.7715

■ 8.3145, 4.2393,
10.6009

■ 63.6629, 47.4037,
77.0370

■ 4.3503, 1.8083,
5.6884

■ 84.3956, 64.9293,
101.6287

■ 1.9022, 0.4923,
2.5908

■ 109.2018, 86.3160,
130.9652

■ 0.5781, 0.0000,
0.8877

■ 138.4469,
111.9482, 165.4650

■ 0.0000, 0.0000,
0.0000

172.4961,

142.2103, 205.5466

211.7150,
177.4868, 251.6286

■ 22.2523, 14.1500,
27.5450

■ 22.2523, 14.1500,
27.5450

■ 21.1063, 12.2761,
25.8732

■ 23.6843, 16.5820,
29.3533

■ 20.2218, 10.9123,
24.3291

■ 25.4213, 19.6110,
31.3045

■ 19.5725, 10.0060,
22.9035

■ 27.4824, 23.2746,
33.4054

■ 19.1175, 9.4753,
21.5826

■ 29.8847, 27.6069,
35.6620

■ 18.9970, 9.3436,
21.2053

■ 32.6439, 32.6393,
38.0800

■ 35.7749, 38.4015,
40.6646

■ 39.2917, 44.9212,
43.4209

■ 43.2075, 52.2250,
46.3536

■ 47.5350, 60.3379,
49.4673

Harmonies

Analogous

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



18.6697, 14.1500, 43.5117



22.2523, 14.1500, 27.5450



23.2986, 14.1500, 13.4878

Triad

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



22.2523, 14.1500, 27.5450



12.7612, 14.1500, 1.8970



7.8186, 14.1500, 32.9833

Complementary

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



22.2523, 14.1500, 27.5450



17.4691, 28.2351, 14.2031

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.



6.8600, 14.1500, 17.5000



22.2523, 14.1500, 27.5450



9.3056, 14.1500, 3.1082

Square

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



22.2523, 14.1500, 27.5450



17.2011, 14.1500, 2.4684



7.3410, 14.1500, 7.4902



10.2868, 14.1500, 47.6415

Rectangle

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



22.2523, 14.1500, 27.5450



22.2635, 14.1500, 7.5206



7.3410, 14.1500, 7.4902



7.3357, 14.1500, 27.4727

Sweetspot

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



22.2528, 14.1507, 27.5453



53.3997, 49.2217, 63.7576



12.8833, 9.1296, 35.7337



11.8005, 10.7057, 14.1435



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.2528, 14.1507, 27.5453



37.4108, 21.3703, 45.7067



19.4949, 13.0475, 13.0223



7.2988, 7.1760, 8.5599



14.7812, 7.2686, 16.5705



0.3260, 0.1589, 0.4293

Inverse Universe

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



22.2528, 14.1507, 27.5453



37.4108, 21.3703, 45.7067



20.0037, 29.2490, 27.5506



7.2988, 7.1760, 8.5599



14.7812, 7.2686, 16.5705



0.3260, 0.1589, 0.4293

Previews

White Background



This preview shows how the XYZ color 22.2523, 14.1500, 27.5450 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 22.2523, 14.1500, 27.5450 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 22.2523, 14.1500, 27.5450

Background



This preview shows how black text looks on a background with the XYZ color 22.2523, 14.1500, 27.5450.



This preview shows how white text looks on a background with the XYZ color 22.2523, 14.1500,

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

22.2523, 14.1500, 27.5450

Protanopia

15.5143, 14.5084, 40.0129

Deuteranopia

14.6113, 14.3594, 25.6685



Tritanopia

18.8011, 14.0759, 11.1772

Trichromacy



Original Color

22.2523, 14.1500, 27.5450

Protanomaly

16.6027, 13.5074, 34.9898

Deuteranomaly

16.5134, 13.6559, 26.1916

Tritanomaly

19.7828, 13.9238, 16.1129

Monochromacy



Original Color

22.2523, 14.1500, 27.5450

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.9965, 13.6726, 19.2487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2523, 14.1500, 27.5450 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(163, 70, 143)` looks like.

```
.text, #text, p{  
    color:rgb(163, 70, 143)  
}
```

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(163, 70, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 70, 143) }
```

Border

The CSS property to change the border of an element to XYZ 22.2523, 14.1500, 27.5450 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(163, 70, 143) }
```


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

```
.border{ border-color:rgb(163, 70, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 70, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 70, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 70, 143);  
box-shadow:4px 4px 4px 4px rgb(163, 70,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2523, 14.1500, 27.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 70, 143) }
```

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

```
.background{ background-color: rgb(163, 70,  
143) }
```

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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