

Converting Colors

XYZ(24.7008, 14.5444, 23.0758)

Have a look what the booklet for
XYZ(24.7008, 14.5444, 23.0758)
contains.

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Color

**XYZ(24.7168, 14.5904,
22.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	B53B83
RGB	181, 59, 131
RGB Percent	71%, 23%, 51%
CMY	0.2902, 0.7686, 0.4863
CMYK	0.00, 0.67, 0.28, 0.29
HSL	325°, 51%, 47%
HSV	325°, 67%, 71%
XYZ	24.7168, 14.5904, 22.9862
YIQ	103.6860, 49.6000, 48.2560

Conversions

Conversions Part 2

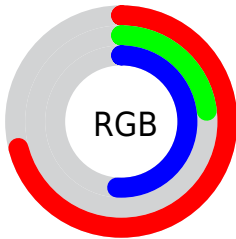
Format	Color
R_{YB}	181, 59, 131
Decimal	11877251
CIE Lab	45.07, 55.92, -13.80
CIE LCh	45, 57.598, 346.140
Yxy	14.5904, 0.3968, 0.2342
Android (android.graphics.Color)	4290067331 (0xFFB53B83)
YUV	103.6860, 13.4658, 67.8044
Hunter-Lab	38.1974, 48.6585, -8.9410

Details

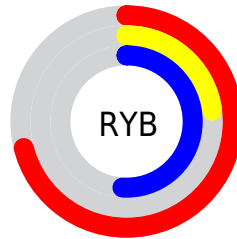
The XYZ color **24.7168, 14.5904, 22.9862** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **21.0887, 35.0822, 20.1301**, and the grayscale version is **13.0310, 13.7096, 14.9298**.

A 20% lighter version of the original color is **50.7176, 34.2474, 49.2847**, and **9.8352, 4.8943, 8.4090** is the 20% darker color. If you saturate the color by 10%, you get **23.4576, 12.8479, 20.1740**, and if you desaturate by 10%, it is **26.3354, 16.9937, 26.0961**.

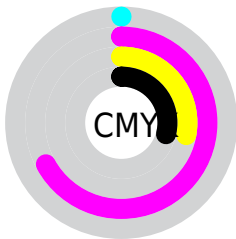
Distribution



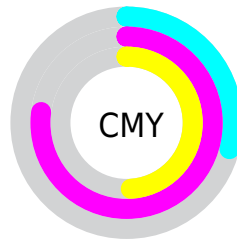
- Red (71%)
- Green (23%)
- Blue (51%)



- Red (71%)
- Yellow (23%)
- Blue (51%)



- Cyan (0%)
- Magenta (67%)
- Yellow (28%)
- Black (29%)





- Cyan (29%)
- Magenta (77%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7168, 14.5904, 22.9862 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 24.7168, 14.5904, 22.9862 by changing the saturation by 10% instead.


 24.7168, 14.5904,
22.9862


 24.7168, 14.5904,
22.9862


268.7984,
220.8734, 280.7737


 15.9938, 8.5324,
14.3781


 50.6436, 34.1330,
49.2936


 9.6106, 4.4375,
8.2424


 68.5782, 48.3864,
67.8299


 5.2018, 1.9212,
4.1604

 90.3139, 66.1404,
90.5128

 2.4021, 0.5611,
1.7138

 116.2162, 87.7795,
117.7607

 0.8462, 0.0000,
0.3701

 146.6505,
113.6879, 149.9923

 0.0000, 0.0000,
0.0000

181.9820,

144.2501, 187.6259

222.5762,
179.8505, 231.0802

■ 24.7168, 14.5904,
22.9862

■ 24.7168, 14.5904,
22.9862

■ 23.4576, 12.8479,
20.1740

■ 26.3354, 16.9937,
26.0961

■ 22.5206, 11.6937,
17.6430

■ 28.3427, 20.1158,
29.5167

■ 21.8539, 11.0246,
15.3722

■ 30.7665, 24.0111,
33.2609

■ 21.7003, 10.8815,
14.8158

■ 33.6316, 28.7277,
37.3402

■ 36.9605, 34.3101,
41.7655

■ 40.7746, 40.7995,
46.5472

■ 45.0934, 48.2344,
51.6948

■ 49.9356, 56.6509,
57.2177

■ 55.3190, 66.0836,
63.1248

Harmonies

Analogous

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



21.5217, 14.5904, 41.6642



24.7168, 14.5904, 22.9862



24.5793, 14.5904, 9.6852

Triad

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



24.7168, 14.5904, 22.9862



11.4879, 14.5904, 1.6974



8.4680, 14.5904, 43.0747

Complementary

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



24.7168, 14.5904, 22.9862



21.0887, 35.0822, 20.1301

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.



6.8323, 14.5904, 24.2919



24.7168, 14.5904, 22.9862



8.2850, 14.5904, 3.8037

Square

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



24.7168, 14.5904, 22.9862



16.1648, 14.5904, 1.6377



6.7740, 14.5904, 10.4236



11.7993, 14.5904, 57.0229

Rectangle

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



24.7168, 14.5904, 22.9862



22.5952, 14.5904, 4.9376



6.7740, 14.5904, 10.4236



7.7386, 14.5904, 36.7566

Sweetspot

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



24.7172, 14.5912, 22.9865



64.3572, 58.3493, 72.4097



16.0654, 9.6407, 44.7304



13.5503, 12.0078, 15.1743



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.7172, 14.5912, 22.9865



41.1128, 21.8632, 33.8245



21.7645, 13.4100, 7.4373



8.6997, 8.5866, 9.9170



14.9948, 7.5155, 10.3984



0.4999, 0.2477, 0.4752

Inverse Universe

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



24.7172, 14.5912, 22.9865



41.1128, 21.8632, 33.8245



25.4708, 36.8351, 43.2057



8.6997, 8.5866, 9.9170



14.9948, 7.5155, 10.3984



0.4999, 0.2477, 0.4752

Previews

White Background



This preview shows how the XYZ color 24.7168, 14.5904, 22.9862 looks on a white background.

Color Contrast Check

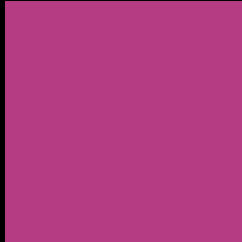
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7168, 14.5904, 22.9862 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 24.7168, 14.5904, 22.9862

Background



This preview shows how black text looks on a background with the XYZ color 24.7168, 14.5904, 22.9862.



This preview shows how white text looks on a background with the XYZ color 24.7168, 14.5904,

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

24.7168, 14.5904, 22.9862

Protanopia

15.7833, 15.0031, 37.6613

Deuteranopia

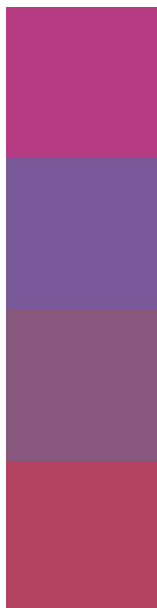
15.1201, 14.8734, 21.1427



Tritanopia

21.8892, 14.6623, 8.8841

Trichromacy



Original Color

24.7168, 14.5904, 22.9862

Protanomaly

17.2073, 13.5096, 31.8377

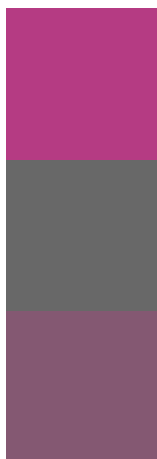
Deuteranomaly

17.4738, 13.7460, 21.8109

Tritanomaly

22.5849, 14.4623, 12.9104

Monochromacy



Original Color

24.7168, 14.5904, 22.9862

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.0427, 13.0999, 17.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7168, 14.5904, 22.9862 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(181, 59, 131)` looks like.

```
.text, #text, p{  
  color:rgb(181, 59, 131)  
}
```

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(181, 59, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 59, 131) }
```

Border

The CSS property to change the border of an element to XYZ 24.7168, 14.5904, 22.9862 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(181, 59, 131) }
```


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

```
.border{ border-color:rgb(181, 59, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 59, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 59, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 59, 131);  
box-shadow:4px 4px 4px 4px rgb(181, 59,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7168, 14.5904, 22.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 59, 131) }
```

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

```
.background{ background-color: rgb(181, 59,  
131) }
```

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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