

Converting Colors

XYZ(22.3775, 14.9968, 34.1550)

Have a look what the booklet for
XYZ(22.3775, 14.9968, 34.1550)
contains.

XYZ(22.2940, 14.9306, 34.0546)	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(22.2940, 14.9306,
34.0546)**

Conversions

Conversions Part 1

Format	Color
Hex	9A4F9E
RGB	154, 79, 158
RGB Percent	60%, 31%, 62%
CMY	0.3961, 0.6902, 0.3804
CMYK	0.03, 0.50, 0.00, 0.38
HSL	297°, 33%, 46%
HSV	297°, 50%, 62%
XYZ	22.2940, 14.9306, 34.0546
YIQ	110.4310, 19.3410, 40.4690

Conversions

Conversions Part 2

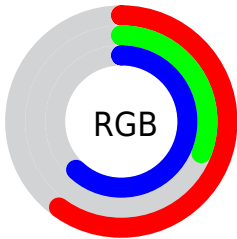
Format	Color
RYB	154, 79, 158
Decimal	10112926
CIELab	45.54, 43.10, -29.66
CIElCh	46, 52.320, 325.469
Yxy	14.9306, 0.3128, 0.2095
Android (android.graphics.Color)	4288303006 (0xFF9A4F9E)
YUV	110.4310, 23.4515, 38.2100
Hunter-Lab	38.6401, 35.3680, -25.2058

Details

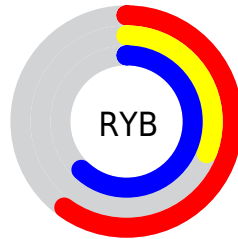
The XYZ color **22.2940, 14.9306, 34.0546** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.2058, 26.8575, 11.6750**, and the grayscale version is **14.8761, 15.6508, 17.0437**.

A 20% lighter version of the original color is **46.7049, 34.7383, 67.1943**, and **8.3603, 4.5912, 14.0812** is the 20% darker color. If you saturate the color by 10%, you get **21.1353, 12.8382, 33.7120**, and if you desaturate by 10%, it is **23.7256, 17.5666, 34.4882**.

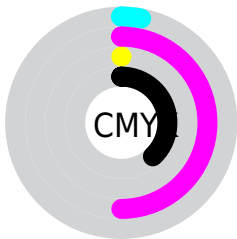
Distribution



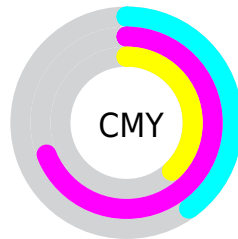
- Red (60%)
- Green (31%)
- Blue (62%)



- Red (60%)
- Yellow (31%)
- Blue (62%)



- Cyan (3%)
- Magenta (50%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2940, 14.9306, 34.0546 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 22.2940, 14.9306, 34.0546 by changing the saturation by 10% instead.

■ 22.2940, 14.9306,
34.0546

■ 22.2940, 14.9306,
34.0546

256.6814,
222.9458, 335.1520

■ 14.1909, 8.7707,
22.6578

■ 46.7067, 34.7314,
67.1534

■ 8.3361, 4.5919,
14.1381

■ 63.7470, 49.1411,
89.6926

■ 4.3644, 2.0099,
8.0770

■ 84.4970, 67.0694,
116.7830

■ 1.9103, 0.6132,
4.0558

■ 109.3222, 88.9009,
148.8431

■ 0.5828, 0.0000,
1.6560

■ 138.5879,
115.0199, 186.2915

■ 0.0000, 0.0000,
0.3303

172.6594,

■ 0.0000, 0.0000,

145.8108, 229.5468

0.0000

211.9021,
181.6579, 279.0275

■ 22.2940, 14.9306,
34.0546

■ 22.2940, 14.9306,
34.0546

■ 21.1353, 12.8382,
33.7120

■ 23.7256, 17.5666,
34.4882

■ 20.2285, 11.2483,
33.4529

■ 25.4461, 20.7794,
35.0176

■ 19.5520, 10.1175,
33.2703

■ 27.4722, 24.6017,
35.6486

■ 19.0798, 9.3938,
33.1555

■ 29.8187, 29.0636,
36.3862

■ 18.7497, 8.9530,
33.0878

■ 32.4997, 34.1928,
37.2349

■ 18.7497, 8.9529,
33.0878

■ 35.5283, 40.0155,
38.1992

■ 38.9167, 46.5565,
39.2831

■ 42.6769, 53.8396,
40.4907

■ 46.8201, 61.8871,
41.8257

Harmonies

Analogous

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



18.1171, 14.9306, 49.0692



22.2940, 14.9306, 34.0546



24.3160, 14.9306, 18.2315

Triad

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



22.2940, 14.9306, 34.0546



14.8648, 14.9306, 2.1367



7.8798, 14.9306, 28.9468

Complementary

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



22.2940, 14.9306, 34.0546



17.2058, 26.8575, 11.6750

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.



7.3581, 14.9306, 14.4302



22.2940, 14.9306, 34.0546



10.8776, 14.9306, 2.7764

Square

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



22.2940, 14.9306, 34.0546



19.5031, 14.9306, 3.4031



8.3364, 14.9306, 6.0801



9.9435, 14.9306, 45.2076

Rectangle

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



22.2940, 14.9306, 34.0546



23.9202, 14.9306, 10.6490



8.3364, 14.9306, 6.0801



7.5390, 14.9306, 23.5521

Sweetspot

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



22.2945, 14.9313, 34.0549



51.8200, 48.3409, 65.3430



12.5876, 10.5137, 33.7138



11.4954, 10.5424, 14.6727



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2945, 14.9313, 34.0549



38.1651, 22.9290, 61.1577



20.5203, 14.3110, 20.6728



6.8710, 6.7375, 8.3450



15.0266, 7.1755, 26.5003



0.2777, 0.1330, 0.4743

Inverse Universe

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



18.4583, 13.4862, 9.8143



30.4695, 20.0487, 11.6916



18.4456, 27.3138, 19.9923



6.6460, 6.6513, 6.9869



11.3327, 5.8376, 0.7371



0.2062, 0.1058, 0.0318

Previews

White Background



This preview shows how the XYZ color 22.2940, 14.9306, 34.0546 looks on a white background.

Color Contrast Check

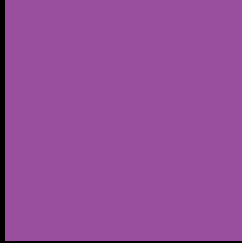
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2940, 14.9306, 34.0546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

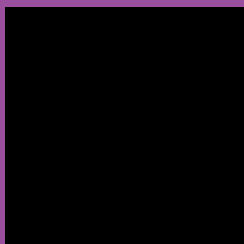
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2940, 14.9306, 34.0546

Background



This preview shows how black text looks on a background with the XYZ color 22.2940, 14.9306, 34.0546.



This preview shows how white text looks on a background with the XYZ color 22.2940, 14.9306,

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

22.2940, 14.9306, 34.0546

Protanopia

16.5551, 15.2220, 45.7817

Deuteranopia

15.4211, 15.0906, 32.2370



Tritanopia

18.2472, 14.9518, 13.9809

Trichromacy



Original Color

22.2940, 14.9306, 34.0546

Protanomaly

17.5514, 14.3861, 41.3869

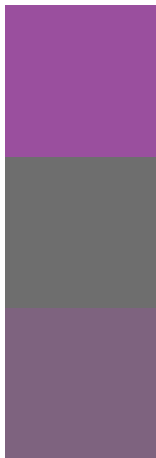
Deuteranomaly

17.2613, 14.5608, 32.9111

Tritanomaly

19.5186, 14.8440, 19.9256

Monochromacy



Original Color

22.2940, 14.9306, 34.0546

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.8968, 14.8916, 22.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2940, 14.9306, 34.0546 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(154, 79, 158)` looks like.

```
.text, #text, p{  
    color:rgb(154, 79, 158)  
}
```

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(154, 79, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 79, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.2940, 14.9306, 34.0546 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(154, 79, 158) }
```


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

```
.border{ border-color:rgb(154, 79, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 79, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 79, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 79, 158); box-shadow:4px 4px 4px 4px rgb(154, 79, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2940, 14.9306, 34.0546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 79, 158) }
```

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

```
.background{ background-color: rgb(154, 79,  
158) }
```

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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