

Converting Colors

XYZ(14.6938, 9.4113, 49.1554)

Have a look what the booklet for
XYZ(14.6938, 9.4113, 49.1554)
contains.

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Color

**XYZ(14.7008, 9.4096,
49.1855)**

Conversions

Conversions Part 1

Format	Color
Hex	5342BD
RGB	83, 66, 189
RGB Percent	33%, 26%, 74%
CMY	0.6745, 0.7412, 0.2588
CMYK	0.56, 0.65, 0.00, 0.26
HSL	248°, 48%, 50%
HSV	248°, 65%, 74%
XYZ	14.7008, 9.4096, 49.1855
YIQ	85.1050, -29.3510, 41.8570

Conversions

Conversions Part 2

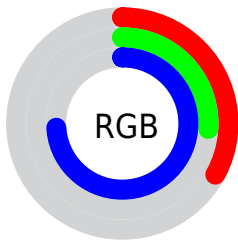
Format	Color
R_{YB}	83, 66, 189
Decimal	5456573
CIE _{Lab}	36.76, 40.97, -62.49
CIE _{LCh}	37, 74.725, 303.252
Yxy	9.4096, 0.2006, 0.1284
Android (android.graphics.Color)	4283646653 (0xFF5342BD)
YUV	85.1050, 51.2202, -1.8461
Hunter-Lab	30.6751, 31.8634, -73.5951

Details

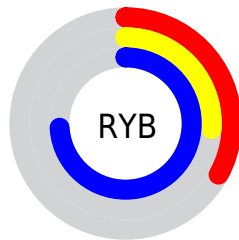
The XYZ color **14.7008, 9.4096, 49.1855** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **36.1935, 45.5589, 12.0405**, and the grayscale version is **8.5577, 9.0033, 9.8046**.

A 20% lighter version of the original color is **33.9206, 24.6661, 90.1620**, and **4.5532, 2.2215, 22.7431** is the 20% darker color. If you saturate the color by 10%, you get **12.5013, 6.8986, 48.8170**, and if you desaturate by 10%, it is **17.6036, 12.8246, 49.6919**.

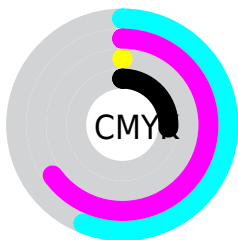
Distribution



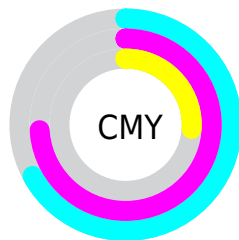
- Red (33%)
- Green (26%)
- Blue (74%)



- Red (33%)
- Yellow (26%)
- Blue (74%)



- Cyan (56%)
- Magenta (65%)
- Yellow (0%)
- Black (26%)



- Cyan (67%)
- Magenta (74%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7008, 9.4096, 49.1855 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 14.7008, 9.4096, 49.1855 by changing the saturation by 10% instead.

■ 14.7008, 9.4096,
49.1855

■ 14.7008, 9.4096,
49.1855

214.9725,
186.4048, 400.1156

■ 8.6946, 5.0093,
34.4000

■ 33.9034, 24.6789,
90.3507

■ 4.5980, 2.2527,
22.9212

■ 47.8306, 36.3168,
117.5676

■ 2.0457, 0.7485,
14.3306

■ 65.1287, 51.1359,
149.7653

■ 0.6594, 0.0000,
8.2096

■ 86.1633, 69.5207,
187.3624

■ 0.0000, 0.0000,
4.1397

■ 111.2996, 91.8556,
230.7774

■ 0.0000, 0.0000,
1.7023

■ 140.9030,

■ 0.0000, 0.0000,

118.5250, 280.4289

0.3623

175.3388,
149.9132, 336.7355

■ 0.0000, 0.0000,
0.0000

■ 14.7008, 9.4096,
49.1855

■ 14.7008, 9.4096,
49.1855

■ 12.5013, 6.8986,
48.8170

■ 17.6036, 12.8246,
49.6919

■ 10.9421, 5.2033,
48.5719

■ 21.2623, 17.2189,
50.3473

■ 9.9507, 4.2186,
48.4341

■ 25.7261, 22.6607,
51.1624

■ 9.6146, 3.8954,
48.3895

■ 31.0396, 29.2118,
52.1468

■ 37.2441, 36.9292,
53.3094

■ 44.3782, 45.8661,
54.6584

■ 52.4782, 56.0723,
56.2015

■ 61.5783, 67.5948,
57.9459

■ 71.7114, 80.4783,
59.8986

Harmonies

Analogous

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



9.4531, 9.4096, 61.7782



14.7008, 9.4096, 49.1855



19.3521, 9.4096, 26.3277

Triad

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



14.7008, 9.4096, 49.1855



13.5270, 9.4096, 0.0000



2.7134, 9.4096, 11.7456

Complementary

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



14.7008, 9.4096, 49.1855



36.1935, 45.5589, 12.0405

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.



3.1550, 9.4096, 2.5654



14.7008, 9.4096, 49.1855



8.4527, 9.4096, 0.0000

Square

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



14.7008, 9.4096, 49.1855



18.5274, 9.4096, 1.7007



4.9282, 9.4096, 0.0623



3.4113, 9.4096, 31.2617

Rectangle

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



14.7008, 9.4096, 49.1855



20.8659, 9.4096, 13.5077



4.9282, 9.4096, 0.0623



2.7347, 9.4096, 7.5559

Sweetspot

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



14.7013, 9.4099, 49.1858



60.6769, 58.6297, 94.3449



26.2992, 34.5665, 53.4302



12.3930, 11.7941, 20.1659



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.7013, 9.4099, 49.1858



21.0931, 10.9218, 87.2226



22.6178, 13.4910, 49.5562



9.1359, 9.2869, 11.9832



6.5079, 2.6410, 32.5597



0.2950, 0.1241, 1.2773

Inverse Universe

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



30.3806, 17.6938, 40.8418



51.6066, 27.0845, 69.1141



25.7493, 40.1747, 11.5517



9.8717, 9.6730, 11.7133



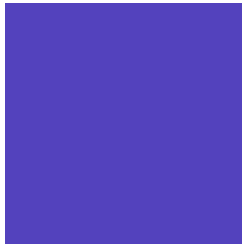
18.5815, 9.0637, 24.1534



0.7437, 0.3614, 1.0296

Previews

White Background



This preview shows how the XYZ color 14.7008, 9.4096, 49.1855 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 ✓ Pass

Black Background



This preview shows how the XYZ color 14.7008, 9.4096, 49.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

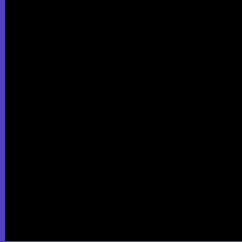
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7008, 9.4096, 49.1855

Background



This preview shows how black text looks on a background with the XYZ color 14.7008, 9.4096, 49.1855.



This preview shows how white text looks on a background with the XYZ color 14.7008, 9.4096,

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

14.7008, 9.4096, 49.1855

Protanopia

10.9297, 9.3211, 42.2974

Deuteranopia

9.2399, 9.4118, 31.0354



Tritanopia

7.5300, 9.4269, 13.4793

Trichromacy



Original Color

14.7008, 9.4096, 49.1855

Protanomaly

11.5298, 8.9200, 44.8301

Deuteranomaly

10.2694, 8.8775, 36.7696

Tritanomaly

9.2447, 8.8766, 23.0559

Monochromacy



Original Color

14.7008, 9.4096, 49.1855

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.9557, 8.7637, 19.9057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7008, 9.4096, 49.1855 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(83, 66, 189)` looks like.

```
.text, #text, p{  
    color:rgb(83, 66, 189)  
}
```

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(83, 66, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 66, 189) }
```

Border

The CSS property to change the border of an element to XYZ 14.7008, 9.4096, 49.1855 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(83, 66, 189) }
```


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

```
.border{ border-color:rgb(83, 66, 189) }
```

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

Here you see how a box with a 4 pixel rgb(83, 66, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 66, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 66, 189);  
box-shadow:4px 4px 4px 4px rgb(83, 66,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7008, 9.4096, 49.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 66, 189) }
```

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

```
.background{ background-color: rgb(83, 66,  
189) }
```

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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