

Converting Colors

XYZ(14.6557, 6.9908, 41.6517)

Have a look what the booklet for
XYZ(14.6557, 6.9908, 41.6517)
contains.

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Color

**XYZ(14.6249, 6.9798,
41.6507)**

Conversions

Conversions Part 1

Format	Color
Hex	6F13B0
RGB	111, 19, 176
RGB Percent	44%, 7%, 69%
CMY	0.5647, 0.9255, 0.3098
CMYK	0.37, 0.89, 0.00, 0.31
HSL	275°, 81%, 38%
HSV	275°, 89%, 69%
XYZ	14.6249, 6.9798, 41.6507
YIQ	64.4060, 4.4350, 68.3310

Conversions

Conversions Part 2

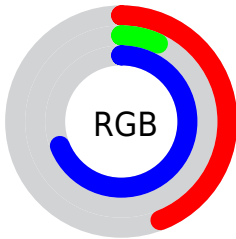
Format	Color
R _Y B	111, 19, 176
Decimal	7279536
CIE Lab	31.76, 62.06, -62.84
CIE LCh	32, 88.320, 314.645
Yxy	6.9798, 0.2312, 0.1103
Android (android.graphics.Color)	4285469616 (0xFF6F13B0)
YUV	64.4060, 55.0158, 40.8629
Hunter-Lab	26.4193, 52.5782, -74.9786

Details

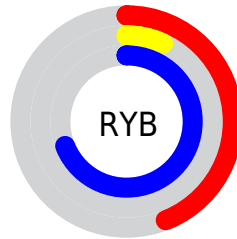
The XYZ color **14.6249, 6.9798, 41.6507** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **19.2987, 32.9824, 5.9651**, and the grayscale version is **4.8537, 5.1065, 5.5610**.

A 20% lighter version of the original color is **33.9388, 20.0555, 79.1731**, and **4.9290, 2.1352, 18.5647** is the 20% darker color. If you saturate the color by 10%, you get **13.5278, 6.0911, 41.5371**, and if you desaturate by 10%, it is **15.9962, 8.3047, 41.8343**.

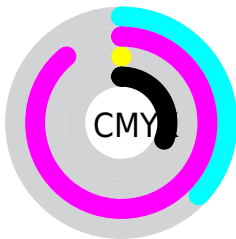
Distribution



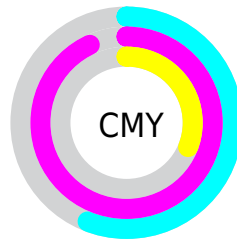
- Red (44%)
- Green (7%)
- Blue (69%)



- Red (44%)
- Yellow (7%)
- Blue (69%)



- Cyan (37%)
- Magenta (89%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (93%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6249, 6.9798, 41.6507 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 14.6249, 6.9798, 41.6507 by changing the saturation by 10% instead.


 14.6249, 6.9798,
41.6507


 14.6249, 6.9798,
41.6507


214.5182,
167.4957, 368.7898


 8.6412, 3.4495,
28.5044


 33.7709, 19.9326,
78.9351


 4.5631, 1.3706,
18.4638


 47.6638, 30.1238,
103.9102

 2.0254, 0.1949,
11.1106


 64.9239, 43.3041,
133.6653

 0.6482, 0.0000,
6.0262

 85.9164, 59.8579,
168.6189

 0.0000, 0.0000,
2.7920

 111.0067, 80.1695,
209.1897

 0.0000, 0.0000,
0.9894

 140.5602,

 0.0000, 0.0000,

104.6235, 255.7960

0.0000

174.9422,
133.6041, 308.8565

14.6249, 6.9798,
41.6507

14.6249, 6.9798,
41.6507

13.5278, 6.0911,
41.5371

15.9962, 8.3047,
41.8343

13.4459, 6.0263,
41.5290

17.7067, 10.1949,
42.1090

19.7920, 12.7187,
42.4862

22.2824, 15.9342,
42.9756

25.2047, 19.8930,
43.5857

■ 28.5834, 24.6414,
44.3242

■ 32.4408, 30.2219,
45.1980

■ 36.7976, 36.6740,
46.2138

■ 41.6733, 44.0345,
47.3775

Harmonies

Analogous

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



9.0356, 6.9798, 64.3018



14.6249, 6.9798, 41.6507



18.7438, 6.9798, 16.0879

Triad

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



14.6249, 6.9798, 41.6507



9.1616, 6.9798, 0.0000



1.3276, 6.9798, 15.6107

Complementary

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



14.6249, 6.9798, 41.6507



19.2987, 32.9824, 5.9651

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.



1.3370, 6.9798, 2.7896



14.6249, 6.9798, 41.6507



4.7010, 6.9798, 0.0000

Square

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



14.6249, 6.9798, 41.6507



14.7518, 6.9798, 0.0000



2.2611, 6.9798, 0.0000



2.2248, 6.9798, 40.9890

Rectangle

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



14.6249, 6.9798, 41.6507



19.3023, 6.9798, 5.7864



2.2611, 6.9798, 0.0000



1.2441, 6.9798, 9.7573

Sweetspot

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



14.6253, 6.9800, 41.6509



52.9897, 46.3348, 80.6459



11.3077, 9.6785, 42.3466



11.0124, 9.3687, 17.3723



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



14.6253, 6.9800, 41.6509



24.1225, 10.7938, 75.3073



24.7408, 12.3372, 35.6886



8.5031, 8.4679, 10.6926



9.9332, 4.4565, 30.4737



0.3770, 0.1734, 0.9618

Inverse Universe

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



19.7375, 10.3359, 9.3414



34.5389, 17.5668, 12.3993



16.0558, 31.2939, 6.5665



8.6374, 8.5617, 9.5889



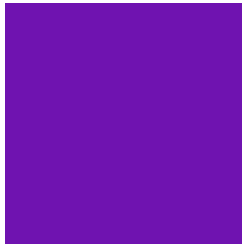
14.0436, 7.1350, 5.3897



0.4712, 0.2362, 0.3241

Previews

White Background



This preview shows how the XYZ color 14.6249, 6.9798, 41.6507 looks on a white background.

Color Contrast Check

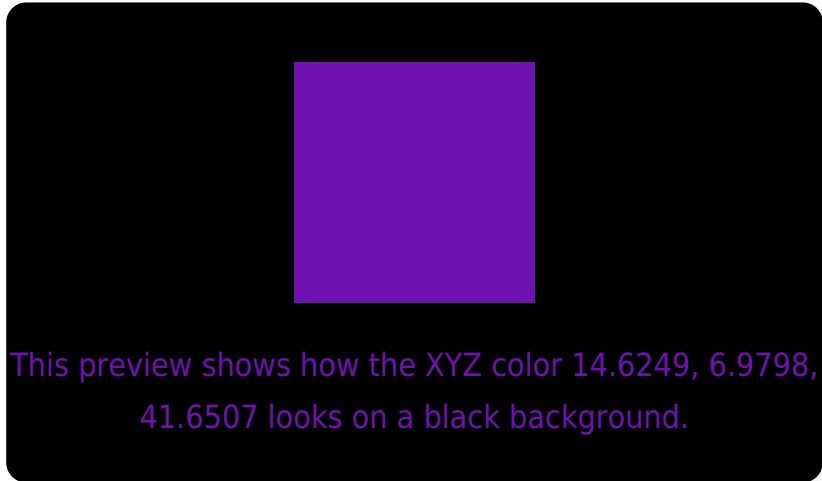
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

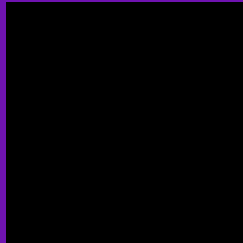
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6249, 6.9798, 41.6507

Background



This preview shows how black text looks on a background with the XYZ color 14.6249, 6.9798, 41.6507.



This preview shows how white text looks on a background with the XYZ color 14.6249, 6.9798,

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

14.6249, 6.9798, 41.6507

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9580, 7.1422, 23.2022



Tritanopia

7.8090, 7.1263, 7.8014

Trichromacy



Original Color

14.6249, 6.9798, 41.6507



Protanomaly

8.8051, 5.7338, 35.2930



Deuteranomaly

7.7630, 5.5473, 29.0953



Tritanomaly

9.1455, 6.1342, 16.0312

Monochromacy



Original Color

14.6249, 6.9798, 41.6507



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.0001, 4.8832, 13.9382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6249, 6.9798, 41.6507 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(111, 19, 176)` looks like.

```
.text, #text, p{  
    color:rgb(111, 19, 176)  
}
```

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(111, 19, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 19, 176) }
```

Border

The CSS property to change the border of an element to XYZ 14.6249, 6.9798, 41.6507 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(111, 19, 176) }
```


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

```
.border{ border-color:rgb(111, 19, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 19, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 19, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 19, 176);  
box-shadow:4px 4px 4px 4px rgb(111, 19,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6249, 6.9798, 41.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 19, 176) }
```

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

```
.background{ background-color: rgb(111, 19,  
176) }
```

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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