

Converting Colors

XYZ(14.8719, 7.0020, 45.6957)

Have a look what the booklet for
XYZ(14.8719, 7.0020, 45.6957)
contains.

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Color

**XYZ(14.9314, 7.0191,
45.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	6B12B8
RGB	107, 18, 184
RGB Percent	42%, 7%, 72%
CMY	0.5804, 0.9294, 0.2784
CMYK	0.42, 0.90, 0.00, 0.28
HSL	272°, 82%, 40%
HSV	272°, 90%, 72%
XYZ	14.9314, 7.0191, 45.9152
YIQ	63.5350, -0.2420, 70.4940

Conversions

Conversions Part 2

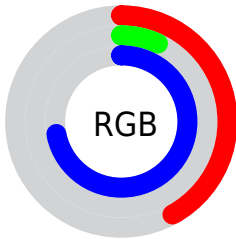
Format	Color
RYB	107, 18, 184
Decimal	7017144
CIELab	31.85, 63.54, -67.48
CIElCh	32, 92.684, 313.277
Yxy	7.0191, 0.2200, 0.1034
Android (android.graphics.Color)	4285207224 (0xFF6B12B8)
YUV	63.5350, 59.3892, 38.1188
Hunter-Lab	26.4936, 54.2362, -84.2081

Details

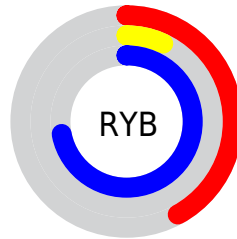
The XYZ color **14.9314, 7.0191, 45.9152** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **21.9687, 36.7575, 6.5093**, and the grayscale version is **4.7188, 4.9646, 5.4064**.

A 20% lighter version of the original color is **34.1902, 19.9422, 85.2663**, and **5.1115, 2.1696, 21.2685** is the 20% darker color. If you saturate the color by 10%, you get **13.7596, 6.0939, 45.7986**, and if you desaturate by 10%, it is **16.4359, 8.4282, 46.1081**.

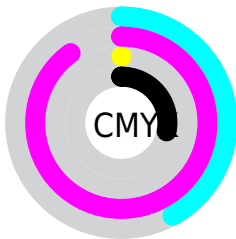
Distribution



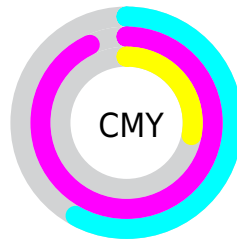
- Red (42%)
- Green (7%)
- Blue (72%)



- Red (42%)
- Yellow (7%)
- Blue (72%)



- Cyan (42%)
- Magenta (90%)
- Yellow (0%)
- Black (28%)




- Cyan (58%)
- Magenta (93%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9314, 7.0191, 45.9152 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 14.9314, 7.0191, 45.9152 by changing the saturation by 10% instead.


 14.9314, 7.0191,
45.9152


 14.9314, 7.0191,
45.9152


216.3472,
167.8223, 386.7353

 8.8573, 3.4740,
31.8307


 34.3054, 20.0116,
85.4250


 4.7046, 1.3839,
20.9685


 48.3360, 30.2279,
111.6874


 2.1079, 0.2048,
12.9100


 65.7495, 43.4367,
142.8463

 0.6935, 0.0000,
7.2366

 86.9112, 60.0224,
179.3200

 0.0000, 0.0000,
3.5298

 112.1865, 80.3694,
221.5273


 0.0000, 0.0000,
1.3711

 141.9406,


 0.0000, 0.0000,


104.8621, 269.8865


0.1190


 176.5391,
133.8850, 324.8164


 0.0000, 0.0000,
0.0000


 14.9314, 7.0191,
45.9152


 14.9314, 7.0191,
45.9152


 13.7596, 6.0939,
45.7986

 16.4359, 8.4282,
46.1081

 18.3311, 10.4646,
46.4012

 20.6584, 13.2067,
46.8079

 23.4529, 16.7210,
47.3389

 26.7458, 21.0659,
48.0040

■ 30.5652, 26.2941,
48.8118

■ 34.9370, 32.4538,
49.7703

■ 39.8851, 39.5896,
50.8869

■ 45.4320, 47.7432,
52.1684

Harmonies

Analogous

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



8.9575, 7.0191, 70.1130



14.9314, 7.0191, 45.9152



19.5237, 7.0191, 17.7082

Triad

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



14.9314, 7.0191, 45.9152



9.6084, 7.0191, 0.0000



1.1883, 7.0191, 15.2158

Complementary

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



14.9314, 7.0191, 45.9152



21.9687, 36.7575, 6.5093

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.



1.2331, 7.0191, 2.3687



14.9314, 7.0191, 45.9152



4.8117, 7.0191, 0.0000

Square

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



14.9314, 7.0191, 45.9152



15.5953, 7.0191, 0.0000



2.2102, 7.0191, 0.0000



2.0321, 7.0191, 42.3904

Rectangle

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



14.9314, 7.0191, 45.9152



20.2814, 7.0191, 6.2626



2.2102, 7.0191, 0.0000



1.1182, 7.0191, 9.2117

Sweetspot

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



14.9318, 7.0193, 45.9154



57.4975, 50.5808, 88.9372



13.0356, 11.8580, 46.9493



11.8470, 10.1399, 19.0544



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.9318, 7.0193, 45.9154



24.6639, 10.9029, 83.0092



28.0664, 13.8561, 43.5609



8.9686, 8.9502, 11.3343



9.5654, 4.2423, 31.5678



0.4078, 0.1860, 1.1161

Inverse Universe

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



22.0489, 11.4492, 11.8736



38.7127, 19.6245, 16.8390



17.5500, 34.4737, 6.5680



9.1733, 9.0797, 10.2598



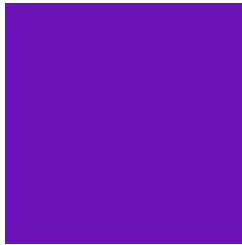
14.7980, 7.4929, 6.8229



0.5530, 0.2767, 0.4054

Previews

White Background



This preview shows how the XYZ color 14.9314, 7.0191, 45.9152 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

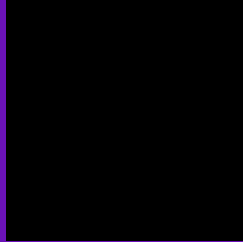
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9314, 7.0191, 45.9152

Background



This preview shows how black text looks on a background with the XYZ color 14.9314, 7.0191, 45.9152.



This preview shows how white text looks on a background with the XYZ color 14.9314, 7.0191,

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

14.9314, 7.0191, 45.9152

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9580, 7.1422, 23.2022



Tritanopia

7.4500, 7.2144, 8.3970

Trichromacy



Original Color

14.9314, 7.0191, 45.9152

Protanomaly

9.0388, 5.8228, 36.7239

Deuteranomaly

7.9184, 5.5267, 30.3552

Tritanomaly

8.8976, 6.1059, 17.5392

Monochromacy



Original Color

14.9314, 7.0191, 45.9152

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.0316, 4.8212, 14.7473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9314, 7.0191, 45.9152 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(107, 18, 184)` looks like.

```
.text, #text, p{  
    color:rgb(107, 18, 184)  
}
```

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(107, 18, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 18, 184) }
```

Border

The CSS property to change the border of an element to XYZ 14.9314, 7.0191, 45.9152 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(107, 18, 184) }
```


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

```
.border{ border-color:rgb(107, 18, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 18, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 18, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 18, 184);  
box-shadow:4px 4px 4px 4px rgb(107, 18,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9314, 7.0191, 45.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 18, 184) }
```

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

```
.background{ background-color: rgb(107, 18,  
184) }
```

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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