

Converting Colors

XYZ(14.1936, 6.2275, 49.8885)

Have a look what the booklet for
XYZ(14.1936, 6.2275, 49.8885)
contains.

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Color

**XYZ(14.1233, 6.1945,
49.7415)**

Conversions

Conversions Part 1

Format	Color
Hex	5F00BF
RGB	95, 0, 191
RGB Percent	37%, 0%, 75%
CMY	0.6274, 1.0000, 0.2510
CMYK	0.50, 1.00, 0.00, 0.25
HSL	270°, 100%, 37%
HSV	270°, 100%, 75%
XYZ	14.1233, 6.1945, 49.7415
YIQ	50.1790, -4.6910, 79.5410

Conversions

Conversions Part 2

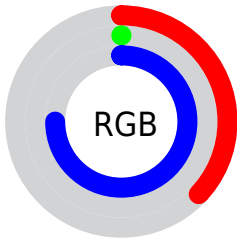
Format	Color
R_{YB}	95, 0, 191
Decimal	6226111
CIE Lab	29.90, 67.00, -74.90
CIE LCh	30, 100.490, 311.812
Yxy	6.1945, 0.2016, 0.0884
Android (android.graphics.Color)	4284416191 (0xFF5F00BF)
YUV	50.1790, 69.4248, 39.3080
Hunter-Lab	24.8888, 57.7358, -101.0721

Details

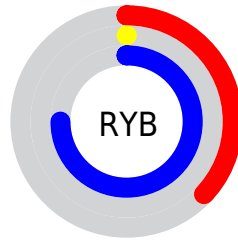
The XYZ color **14.1233, 6.1945, 49.7415** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **23.4543, 39.7483, 6.4360**, and the grayscale version is **2.9765, 3.1315, 3.4102**.

A 20% lighter version of the original color is **32.8697, 18.3146, 91.4252**, and **4.7532, 1.9370, 23.4159** is the 20% darker color. If you saturate the color by 10%, you get **14.1238, 6.1947, 49.7417**, and if you desaturate by 10%, it is **15.4179, 7.2101, 49.8695**.

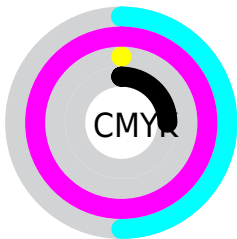
Distribution



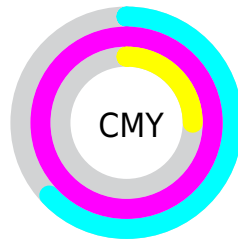
- Red (37%)
- Green (0%)
- Blue (75%)



- Red (37%)
- Yellow (0%)
- Blue (75%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (63%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1233, 6.1945, 49.7415 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 14.1233, 6.1945, 49.7415 by changing the saturation by 10% instead.

14.1233, 6.1945,
49.7415

14.1233, 6.1945,
49.7415

211.4918,
160.7922, 402.3603

8.2887, 2.9637,
34.8383

32.8921, 18.3334,
91.1841

4.3336, 1.1128,
23.2558

46.5570, 28.0102,
118.5606

1.8926, 0.0000,
14.5754

63.5628, 40.6045,
150.9319

0.5725, 0.0000,
8.3787

84.2748, 56.5007,
188.7167

0.0000, 0.0000,
4.2470

109.0583, 76.0832,
232.3333


0.0000, 0.0000,
1.7618


138.2788, 99.7363,


0.0000, 0.0000,


282.2005

0.4026

 172.3015,
127.8445, 338.7366

 0.0000, 0.0000,
0.0000


 14.1233, 6.1945,
49.7415


 14.1233, 6.1945,
49.7415


 14.1238, 6.1947,
49.7417

 15.4179, 7.2101,
49.8695

 17.0695, 8.7517,
50.0800

 19.1658, 10.9881,
50.4012

 21.7527, 14.0052,
50.8472

 24.8695, 17.8763,
51.4301

■ 28.5511, 22.6657,
52.1605

■ 32.8290, 28.4316,
53.0480

■ 37.7322, 35.2269,
54.1012

■ 43.2877, 43.1010,
55.3282

Harmonies

Analogous

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



7.9218, 6.1945, 76.1101



14.1233, 6.1945, 49.7415



19.1862, 6.1945, 18.3644

Triad

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



14.1233, 6.1945, 49.7415



9.1557, 6.1945, 0.0000



0.7448, 6.1945, 13.4900

Complementary

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



14.1233, 6.1945, 49.7415



23.4543, 39.7483, 6.4360

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.



0.8154, 6.1945, 1.4834



14.1233, 6.1945, 49.7415



4.2355, 6.1945, 0.0000

Square

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



14.1233, 6.1945, 49.7415



15.4260, 6.1945, 0.0000



1.7032, 6.1945, 0.0000



1.4128, 6.1945, 42.4703

Rectangle

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



14.1233, 6.1945, 49.7415



20.1783, 6.1945, 5.9646



1.7032, 6.1945, 0.0000



0.6940, 6.1945, 7.5901

Sweetspot

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



14.1238, 6.1947, 49.7417



58.4080, 50.3895, 94.9268



13.8359, 12.6254, 50.9981



12.0832, 10.0568, 20.6896



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.1238, 6.1947, 49.7417



25.0157, 10.9504, 89.0743



30.0980, 14.4297, 50.4893



9.4564, 9.4521, 11.9982



9.3747, 4.1189, 32.6938



0.4427, 0.2003, 1.2842

Inverse Universe

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



23.5971, 11.9209, 12.1226



42.1395, 21.3011, 21.0646



18.6707, 37.2823, 6.2122



9.7248, 9.6142, 10.9397



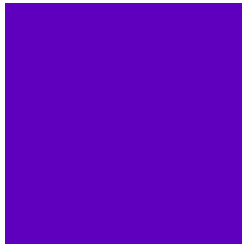
15.5483, 7.8505, 8.1811



0.6421, 0.3207, 0.4943

Previews

White Background



This preview shows how the XYZ color 14.1233, 6.1945, 49.7415 looks on a white background.

Color Contrast Check

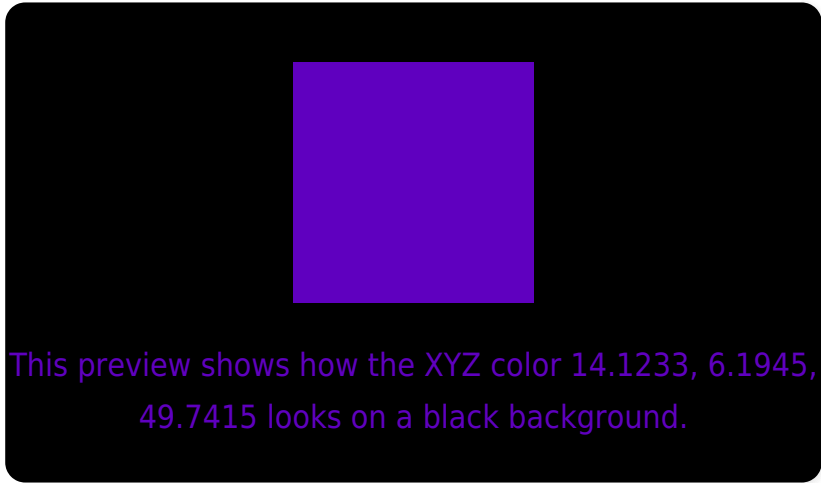
Large Text (above 18pt) WCAG AA ✓ Pass

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

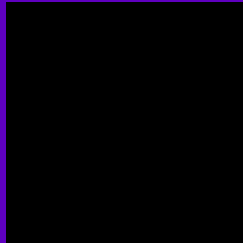
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1233, 6.1945, 49.7415

Background



This preview shows how black text looks on a background with the XYZ color 14.1233, 6.1945, 49.7415.



This preview shows how white text looks on a background with the XYZ color 14.1233, 6.1945,

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

14.1233, 6.1945, 49.7415

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.2820, 6.5385, 20.6696



Tritanopia

6.0111, 6.5667, 8.5401

Trichromacy



Original Color

14.1233, 6.1945, 49.7415

Protanomaly

8.3324, 4.9144, 35.6314

Deuteranomaly

7.2551, 4.6732, 29.3738

Tritanomaly

7.3083, 4.8850, 18.3270

Monochromacy



Original Color

14.1233, 6.1945, 49.7415

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.1122, 3.1309, 12.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1233, 6.1945, 49.7415 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(95, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(95, 0, 191)  
}
```

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(95, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 14.1233, 6.1945, 49.7415 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(95, 0, 191) }
```


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

```
.border{ border-color:rgb(95, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(95, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(95, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.1233, 6.1945, 49.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 0, 191) }
```

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

```
.background{ background-color: rgb(95, 0,  
191) }
```

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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