

Converting Colors

XYZ(14.5537, 6.4132, 49.9054)

Have a look what the booklet for
XYZ(14.5537, 6.4132, 49.9054)
contains.

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Color

**XYZ(14.5496, 6.4142,
49.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	6300BF
RGB	99, 0, 191
RGB Percent	39%, 0%, 75%
CMY	0.6117, 1.0000, 0.2510
CMYK	0.48, 1.00, 0.00, 0.25
HSL	271°, 100%, 37%
HSV	271°, 100%, 75%
XYZ	14.5496, 6.4142, 49.7614
YIQ	51.3750, -2.3070, 80.3890

Conversions

Conversions Part 2

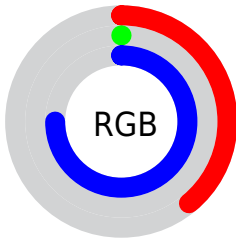
Format	Color
R _Y B	99, 0, 191
Decimal	6488255
CIE Lab	30.43, 67.32, -74.00
CIE LCh	30, 100.038, 312.296
Yxy	6.4142, 0.2057, 0.0907
Android (android.graphics.Color)	4284678335 (0xFF6300BF)
YUV	51.3750, 68.8351, 41.7671
Hunter-Lab	25.3263, 58.2249, -98.7654

Details

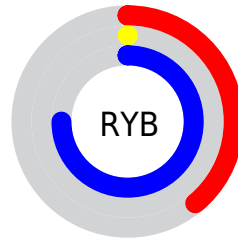
The XYZ color **14.5496, 6.4142, 49.7614** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **23.0440, 39.5368, 6.4168**, and the grayscale version is **3.1132, 3.2753, 3.5668**.

A 20% lighter version of the original color is **33.7143, 18.8452, 91.4831**, and **4.9506, 2.0388, 23.4251** is the 20% darker color. If you saturate the color by 10%, you get **14.5501, 6.4145, 49.7616**, and if you desaturate by 10%, it is **15.8478, 7.4317, 49.8896**.

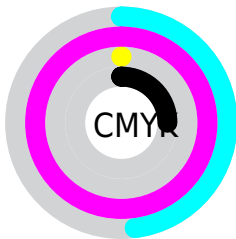
Distribution



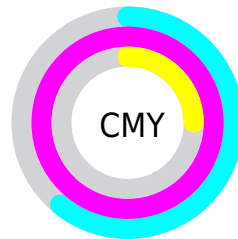
- Red (39%)
- Green (0%)
- Blue (75%)



- Red (39%)
- Yellow (0%)
- Blue (75%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (61%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5496, 6.4142, 49.7614 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 14.5496, 6.4142, 49.7614 by changing the saturation by 10% instead.

14.5496, 6.4142,
49.7614

14.5496, 6.4142,
49.7614

214.0665,
162.7034, 402.4404

8.5882, 3.0985,
34.8540

33.6393, 18.7846,
91.2139

4.5285, 1.1834,
23.2678

47.4982, 28.6082,
118.5961

2.0052, 0.0481,
14.5842

64.7203, 41.3699,
150.9737

0.6369, 0.0000,
8.3847

85.6710, 57.4540,
188.7651

0.0000, 0.0000,
4.2508

110.7156, 77.2451,
232.3889


0.0000, 0.0000,
1.7639

140.2195,


0.0000, 0.0000,

101.1274, 282.2637


0.4040

 174.5480,
129.4854, 338.8081

 0.0000, 0.0000,
0.0000

 14.5496, 6.4142,
49.7614


 14.5496, 6.4142,
49.7614


 14.5501, 6.4145,
49.7616

 15.8478, 7.4317,
49.8896

 17.4941, 8.9706,
50.0998

 19.5755, 11.1993,
50.4203

 22.1375, 14.2036,
50.8652

 25.2189, 18.0564,
51.4464

■ 28.8542, 22.8219,
52.1747

■ 33.0744, 28.5580,
53.0594

■ 37.9081, 35.3176,
54.1094

■ 43.3819, 43.1495,
55.3326

Harmonies

Analogous

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



8.2579, 6.4142, 76.5030



14.5496, 6.4142, 49.7614



19.6097, 6.4142, 18.3536

Triad

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



14.5496, 6.4142, 49.7614



9.3203, 6.4142, 0.0000



0.8163, 6.4142, 14.1748

Complementary

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



14.5496, 6.4142, 49.7614



23.0440, 39.5368, 6.4168

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.



0.8764, 6.4142, 1.6646



14.5496, 6.4142, 49.7614



4.3496, 6.4142, 0.0000

Square

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



14.5496, 6.4142, 49.7614



15.6661, 6.4142, 0.0000



1.7819, 6.4142, 0.0000



1.5266, 6.4142, 43.5705

Rectangle

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



14.5496, 6.4142, 49.7614



20.5517, 6.4142, 5.9867



1.7819, 6.4142, 0.0000



0.7623, 6.4142, 8.0863

Sweetspot

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



14.5501, 6.4145, 49.7616



58.8528, 50.6188, 94.9477



13.2586, 11.4709, 50.8057



12.1910, 10.1124, 20.6947



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.



14.5501, 6.4145, 49.7616



25.7769, 11.3428, 89.1099



30.5433, 14.6993, 48.7010



9.4755, 9.4620, 11.9991



9.6556, 4.2637, 32.7070



0.4534, 0.2058, 1.2847

Inverse Universe

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



23.4175, 11.8490, 11.1770



41.8193, 21.1730, 19.3784



18.6483, 37.2687, 6.3021



9.7164, 9.6109, 10.8956



15.4299, 7.8031, 7.5576



0.6375, 0.3189, 0.4702

Previews

White Background



This preview shows how the XYZ color 14.5496, 6.4142, 49.7614 looks on a white background.

Color Contrast Check

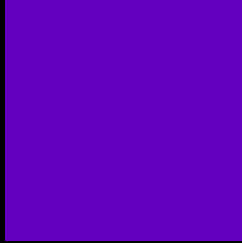
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5496, 6.4142, 49.7614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

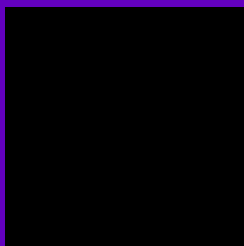
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5496, 6.4142, 49.7614

Background



This preview shows how black text looks on a background with the XYZ color 14.5496, 6.4142, 49.7614.



This preview shows how white text looks on a background with the XYZ color 14.5496, 6.4142,

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

14.5496, 6.4142, 49.7614

Protanopia

7.8224, 6.8367, 29.7615

Deuteranopia

6.5469, 6.7539, 21.7274



Tritanopia

6.4225, 6.7788, 8.5594

Trichromacy



Original Color

14.5496, 6.4142, 49.7614

Protanomaly

8.4961, 5.0457, 36.1234

Deuteranomaly

7.4520, 4.7560, 30.2310

Tritanomaly

7.8000, 5.1384, 18.3500

Monochromacy



Original Color

14.5496, 6.4142, 49.7614

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2987, 3.2213, 12.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5496, 6.4142, 49.7614 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(99, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 14.5496, 6.4142, 49.7614 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(99, 0, 191) }
```


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

```
.border{ border-color:rgb(99, 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(99, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(99, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5496, 6.4142, 49.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 191) }
```

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

```
.background{ background-color: rgb(99, 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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