

Converting Colors

XYZ(14.0045, 6.1939, 46.9954)

Have a look what the booklet for
XYZ(14.0045, 6.1939, 46.9954)
contains.

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Color

**XYZ(14.0085, 6.1978,
46.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	6300BA
RGB	99, 0, 186
RGB Percent	39%, 0%, 73%
CMY	0.6117, 1.0000, 0.2706
CMYK	0.47, 1.00, 0.00, 0.27
HSL	272°, 100%, 36%
HSV	272°, 100%, 73%
XYZ	14.0085, 6.1978, 46.9123
YIQ	50.8050, -0.7020, 78.8340

Conversions

Conversions Part 2

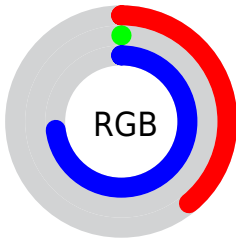
Format	Color
RYB	99, 0, 186
Decimal	6488250
CIELab	29.91, 66.24, -71.91
CIELCh	30, 97.768, 312.651
Yxy	6.1978, 0.2087, 0.0923
Android (android.graphics.Color)	4284678330 (0xFF6300BA)
YUV	50.8050, 66.6511, 42.2670
Hunter-Lab	24.8954, 56.8741, -94.2980

Details

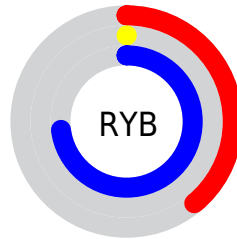
The XYZ color **14.0085, 6.1978, 46.9123** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **21.4891, 37.1440, 6.0369**, and the grayscale version is **3.0501, 3.2089, 3.4945**.

A 20% lighter version of the original color is **32.5315, 18.2466, 86.6014**, and **4.6924, 1.9458, 21.6010** is the 20% darker color. If you saturate the color by 10%, you get **14.0090, 6.1980, 46.9125**, and if you desaturate by 10%, it is **15.2375, 7.1671, 47.0348**.

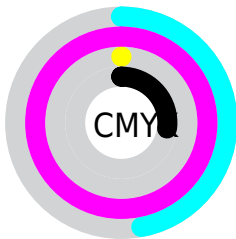
Distribution



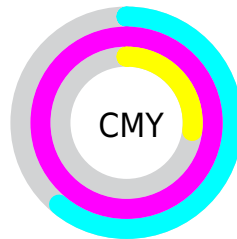
- Red (39%)
- Green (0%)
- Blue (73%)



- Red (39%)
- Yellow (0%)
- Blue (73%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (61%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0085, 6.1978, 46.9123 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 14.0085, 6.1978, 46.9123 by changing the saturation by 10% instead.

14.0085, 6.1978,
46.9123

14.0085, 6.1978,
46.9123

210.7933,
160.8211, 390.8480

8.2083, 2.9657,
32.6125

32.6902, 18.3402,
86.9313

4.2815, 1.1139,
21.5611

46.3025, 28.0192,
113.4876

1.8626, 0.0000,
13.3395

63.2495, 40.6161,
144.9664

0.5549, 0.0000,
7.5293

83.8967, 56.5151,
181.7864

0.0000, 0.0000,
3.7118

108.6092, 76.1008,
224.3659


0.0000, 0.0000,
1.4686


137.7526, 99.7574,

0.0000, 0.0000,

273.1237

0.1944

 171.6922,
127.8694, 328.4782

 0.0000, 0.0000,
0.0000


 14.0085, 6.1978,
46.9123


 14.0085, 6.1978,
46.9123


 14.0090, 6.1980,
46.9125

 15.2375, 7.1671,
47.0348

 16.7869, 8.6215,
47.2338

 18.7399, 10.7219,
47.5363

 21.1386, 13.5484,
47.9555

 24.0190, 17.1692,
48.5026

■ 27.4131, 21.6441,
49.1874

■ 31.3497, 27.0272,
50.0190

■ 35.8555, 33.3678,
51.0054

■ 40.9551, 40.7119,
52.1541

Harmonies

Analogous

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



8.0176, 6.1978, 72.3729



14.0085, 6.1978, 46.9123



18.7743, 6.1978, 17.2895

Triad

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



14.0085, 6.1978, 46.9123



8.8971, 6.1978, 0.0000



0.8181, 6.1978, 13.8406

Complementary

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



14.0085, 6.1978, 46.9123



21.4891, 37.1440, 6.0369

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.



0.8690, 6.1978, 1.7008



14.0085, 6.1978, 46.9123



4.1779, 6.1978, 0.0000

Square

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



14.0085, 6.1978, 46.9123



14.9298, 6.1978, 0.0000



1.7342, 6.1978, 0.0000



1.5197, 6.1978, 41.8278

Rectangle

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



14.0085, 6.1978, 46.9123



19.6269, 6.1978, 5.6566



1.7342, 6.1978, 0.0000



0.7627, 6.1978, 7.9723

Sweetspot

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



14.0090, 6.1980, 46.9125



56.4449, 48.4636, 90.5808



12.5107, 10.8407, 47.8876



11.7418, 9.7243, 19.8007



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.



14.0090, 6.1980, 46.9125



25.1094, 11.0886, 85.0183



28.7866, 13.8539, 45.9022



8.9652, 8.9484, 11.3341



9.5120, 4.2148, 31.5653



0.4061, 0.1851, 1.1161

Inverse Universe

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



21.9699, 11.1272, 10.0059



39.7017, 20.1207, 17.5043



17.5759, 35.1247, 5.9424



9.1747, 9.0803, 10.2675



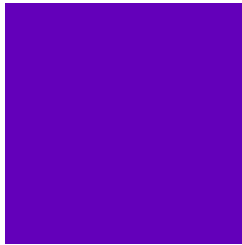
14.8178, 7.5009, 6.9275



0.5537, 0.2769, 0.4091

Previews

White Background



This preview shows how the XYZ color 14.0085, 6.1978, 46.9123 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 14.0085, 6.1978, 46.9123

Background



This preview shows how black text looks on a background with the XYZ color 14.0085, 6.1978, 46.9123.



This preview shows how white text looks on a background with the XYZ color 14.0085, 6.1978,

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

14.0085, 6.1978, 46.9123

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.3468, 6.5645, 21.0112



Tritanopia

6.3650, 6.5625, 8.1389

Trichromacy



Original Color

14.0085, 6.1978, 46.9123

Protanomaly

8.1875, 4.8605, 34.6891

Deuteranomaly

7.1298, 4.6271, 28.5343

Tritanomaly

7.6676, 5.0322, 17.3968

Monochromacy



Original Color

14.0085, 6.1978, 46.9123

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2007, 3.1821, 12.3967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0085, 6.1978, 46.9123 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 14.0085, 6.1978, 46.9123 is called "border". The border property can be set on classes, ids or directly on the HTML element.

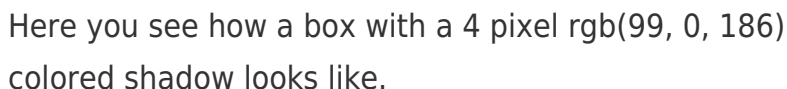
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 0, 186) }
```


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

```
.border{ border-color:rgb(99, 0, 186) }
```

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

A rectangular box with a 4px 4px 4px 4px rgba(99, 0, 186) shadow. The box is white with a thin border and a shadow that is 4 pixels wide and 4 pixels high on all sides, colored in a shade of purple (rgb(99, 0, 186)).

Here you see how a box with a 4 pixel `rgb(99, 0, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(99, 0, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.0085, 6.1978, 46.9123 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, 186) }
```

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

```
.background{ background-color: rgb(99, 0,  
186) }
```

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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