

Converting Colors

XYZ(14.6194, 15.9627, 44.6936)

Have a look what the booklet for
XYZ(14.6194, 15.9627, 44.6936)
contains.

XYZ(14.7291, 16.0964, 44.9784)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.7291, 16.0964,
44.9784)**

Conversions

Conversions Part 1

Format	Color
Hex	1175B3
RGB	17, 117, 179
RGB Percent	7%, 46%, 70%
CMY	0.9332, 0.5412, 0.2980
CMYK	0.90, 0.35, 0.00, 0.30
HSL	203°, 83%, 38%
HSV	203°, 90%, 70%
XYZ	14.7291, 16.0964, 44.9784
YIQ	94.1680, -79.5020, -1.9180

Conversions

Conversions Part 2

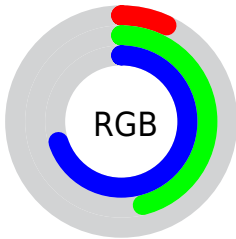
Format	Color
RYB	17, 79, 179
Decimal	1144243
CIELab	47.10, -3.42, -40.16
CIELCh	47, 40.303, 265.131
Yxy	16.0964, 0.1943, 0.2123
Android (android.graphics.Color)	4279334323 (0xFF1175B3)
YUV	94.1680, 41.8222, -67.6763
Hunter-Lab	40.1203, -4.6791, -38.3851

Details

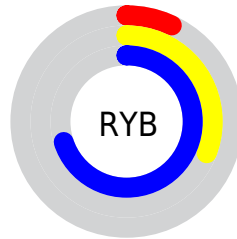
The XYZ color **14.7291, 16.0964, 44.9784** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.4894, 15.2194, 2.3363**, and the grayscale version is **10.5984, 11.1504, 12.1428**.

A 20% lighter version of the original color is **34.0072, 36.8609, 83.9198**, and **5.8940, 5.7626, 20.5403** is the 20% darker color. If you saturate the color by 10%, you get **13.7652, 14.5116, 44.7237**, and if you desaturate by 10%, it is **16.0164, 17.9891, 45.2762**.

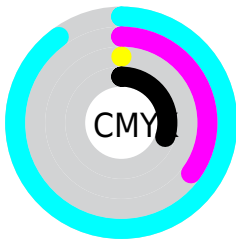
Distribution



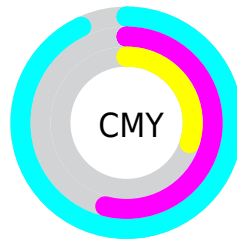
- Red (7%)
- Green (46%)
- Blue (70%)



- Red (7%)
- Yellow (31%)
- Blue (70%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (30%)



- Cyan (93%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7291, 16.0964, 44.9784 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 14.7291, 16.0964, 44.9784 by changing the saturation by 10% instead.

■ 14.7291, 16.0964,
44.9784

■ 14.7291, 16.0964,
44.9784

215.1417,
229.9099, 382.8436

■ 8.7146, 9.5924,
31.0976

■ 33.9528, 36.7655,
84.0061

■ 4.6111, 5.1296,
20.4141

■ 47.8927, 51.6993,
109.9901

■ 2.0533, 2.3235,
12.5093

■ 65.2051, 70.2119,
140.8455

■ 0.6636, 0.7861,
6.9648

■ 86.2553, 92.6877,
176.9910

■ 0.0000, 0.0000,
3.3620

■ 111.4087,
119.5109, 218.8450

■ 0.0000, 0.0000,
1.2823

■ 141.0306,

■ 0.0000, 0.0000,

151.0661, 266.8260

0.0472

175.4865,
187.7377, 321.3528

■ 0.0000, 0.0000,
0.0000

■ 14.7291, 16.0964,
44.9784

■ 14.7291, 16.0964,
44.9784

■ 13.7652, 14.5116,
44.7237

■ 16.0164, 17.9891,
45.2762

■ 17.6722, 20.1600,
45.6080

■ 19.7398, 22.6335,
45.9764

■ 22.2555, 25.4300,
46.3836

■ 25.2512, 28.5675,
46.8314

■ 28.7558, 32.0626,
47.3213

■ 32.7957, 35.9305,
47.8549

■ 37.3955, 40.1852,
48.4337

■ 42.5780, 44.8401,
49.0591

Harmonies

Analogous

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



11.7311, 16.0964, 38.8560



14.7291, 16.0964, 44.9784



18.3730, 16.0964, 41.7354

Triad

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



14.7291, 16.0964, 44.9784



22.3193, 16.0964, 10.4875



10.3701, 16.0964, 8.5826

Complementary

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



14.7291, 16.0964, 44.9784



21.4894, 15.2194, 2.3363

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.



12.5888, 16.0964, 5.1453



14.7291, 16.0964, 44.9784



19.5260, 16.0964, 5.9106

Square

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



14.7291, 16.0964, 44.9784



23.1254, 16.0964, 19.2320



15.8837, 16.0964, 4.4010



9.4739, 16.0964, 15.9244

Rectangle

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



14.7291, 16.0964, 44.9784



20.6431, 16.0964, 35.1716



15.8837, 16.0964, 4.4010



10.9676, 16.0964, 7.0633

Sweetspot

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



14.7297, 16.0969, 44.9788



53.5926, 59.4531, 85.0321



17.6707, 32.8874, 12.3298



11.3605, 12.6737, 18.7698



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.7297, 16.0969, 44.9788



24.4296, 25.5430, 80.0239



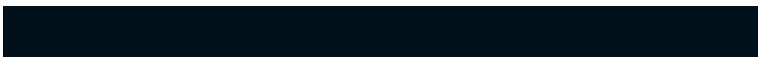
9.0814, 4.8002, 43.0960



8.4640, 9.0742, 10.8117



9.7915, 10.3833, 31.6251



0.3624, 0.4353, 1.0132

Inverse Universe

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



22.0023, 11.2697, 17.8456



38.2703, 19.1543, 27.7580



30.8172, 33.8750, 5.4455



8.7094, 8.5905, 9.9681



15.1769, 7.5883, 11.3576



0.5049, 0.2497, 0.5017

Previews

White Background



This preview shows how the XYZ color 14.7291, 16.0964, 44.9784 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 × Fail

Black Background



This preview shows how the XYZ color 14.7291, 16.0964, 44.9784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

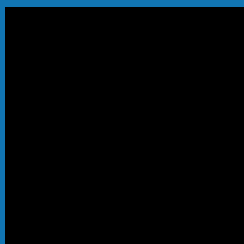
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7291, 16.0964, 44.9784

Background



This preview shows how black text looks on a background with the XYZ color 14.7291, 16.0964, 44.9784.



This preview shows how white text looks on a background with the XYZ color 14.7291, 16.0964,

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

14.7291, 16.0964, 44.9784

Protanopia

16.9395, 15.9905, 41.2234

Deuteranopia

16.4866, 16.1488, 45.4281



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

14.7291, 16.0964, 44.9784

Protanomaly

15.5186, 15.7076, 42.7714

Deuteranomaly

15.5709, 16.0080, 45.4492

Tritanomaly

12.4175, 15.9155, 31.2717

Monochromacy



Original Color

14.7291, 16.0964, 44.9784

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.6998, 12.1417, 21.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7291, 16.0964, 44.9784 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(17, 117, 179)` looks like.

```
.text, #text, p{  
    color:rgb(17, 117, 179)  
}
```

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(17, 117, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 117, 179) }
```

Border

The CSS property to change the border of an element to XYZ 14.7291, 16.0964, 44.9784 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(17, 117, 179) }
```


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

```
.border{ border-color:rgb(17, 117, 179) }
```

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

Here you see how a box with a 4 pixel rgb(17, 117, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 117, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 117, 179);  
box-shadow:4px 4px 4px 4px rgb(17, 117,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7291, 16.0964, 44.9784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 117, 179) }
```

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

```
.background{ background-color: rgb(17, 117,  
179) }
```

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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