

Converting Colors

XYZ(14.3758, 16.4789, 42.1615)

Have a look what the booklet for
XYZ(14.3758, 16.4789, 42.1615)
contains.

XYZ(14.3594, 16.5017, 41.9635)	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(14.3594, 16.5017,
41.9635)**

Conversions

Conversions Part 1

Format	Color
Hex	0878AD
RGB	8, 120, 173
RGB Percent	3%, 47%, 68%
CMY	0.9685, 0.5294, 0.3216
CMYK	0.95, 0.31, 0.00, 0.32
HSL	199°, 91%, 35%
HSV	199°, 95%, 68%
XYZ	14.3594, 16.5017, 41.9635
YIQ	92.5540, -83.7650, -7.2610

Conversions

Conversions Part 2

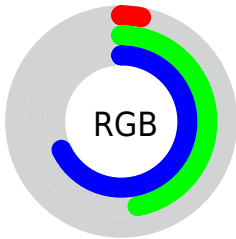
Format	Color
RYB	8, 75, 173
Decimal	555181
CIELab	47.63, -7.95, -35.85
CIELCh	48, 36.717, 257.494
Yxy	16.5017, 0.1972, 0.2266
Android (android.graphics.Color)	4278745261 (0xFF0878AD)
YUV	92.5540, 39.6599, -74.1539
Hunter-Lab	40.6223, -7.9918, -32.8120

Details

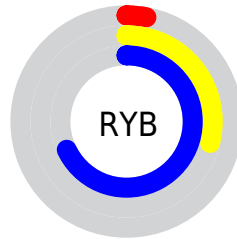
The XYZ color **14.3594, 16.5017, 41.9635** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.9479, 12.2423, 1.5948**, and the grayscale version is **10.2277, 10.7603, 11.7180**.

A 20% lighter version of the original color is **33.3090, 37.4375, 79.5993**, and **5.7075, 5.9908, 18.6248** is the 20% darker color. If you saturate the color by 10%, you get **13.9535, 15.8384, 41.8572**, and if you desaturate by 10%, it is **15.3565, 18.0372, 42.2077**.

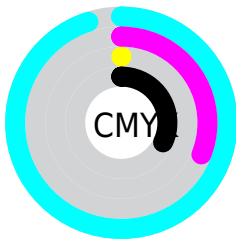
Distribution



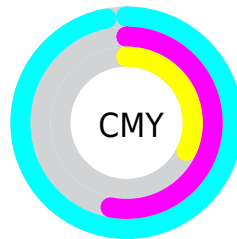
- Red (3%)
- Green (47%)
- Blue (68%)



- Red (3%)
- Yellow (29%)
- Blue (68%)



- Cyan (95%)
- Magenta (31%)
- Yellow (0%)
- Black (32%)



- Cyan (97%)
- Magenta (53%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3594, 16.5017, 41.9635 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 14.3594, 16.5017, 41.9635 by changing the saturation by 10% instead.

■ 14.3594, 16.5017,
41.9635

■ 14.3594, 16.5017,
41.9635

212.9215,
232.2842, 370.1268

■ 8.4544, 9.8799,
28.7474

■ 33.3063, 37.4670,
79.4139

■ 4.4413, 5.3194,
18.6458

■ 47.0790, 52.5793,
104.4852

■ 1.9547, 2.4358,
11.2404

■ 64.2050, 71.2905,
134.3453

■ 0.6083, 0.8442,
6.1126

■ 85.0496, 93.9850,
169.4128

■ 0.0000, 0.0000,
2.8438

■ 109.9782,
121.0472, 210.1061

■ 0.0000, 0.0000,
1.0154

■ 139.3562,

■ 0.0000, 0.0000,

152.8616, 256.8439

0.0000

173.5488,
189.8124, 310.0446

■ 14.3594, 16.5017,
41.9635

■ 14.3594, 16.5017,
41.9635

■ 13.9535, 15.8384,
41.8572

■ 15.3565, 18.0372,
42.2077

■ 16.6556, 19.7868,
42.4769

■ 18.3015, 21.7746,
42.7739

■ 20.3295, 24.0198,
43.1003

■ 22.7704, 26.5390,
43.4579

■ 25.6514, 29.3473,
43.8481

■ 28.9976, 32.4583,
44.2723

■ 32.8319, 35.8848,
44.7316

■ 37.1755, 39.6384,
45.2271

Harmonies

Analogous

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



11.8014, 16.5017, 34.8197



14.3594, 16.5017, 41.9635



17.6553, 16.5017, 41.2522

Triad

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



14.3594, 16.5017, 41.9635



22.4925, 16.5017, 13.0715



11.4836, 16.5017, 8.3264

Complementary

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



14.3594, 16.5017, 41.9635



18.9479, 12.2423, 1.5948

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.



13.8659, 16.5017, 5.6689



14.3594, 16.5017, 41.9635



20.3375, 16.5017, 7.6791

Square

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



14.3594, 16.5017, 41.9635



22.6734, 16.5017, 22.1643



17.0884, 16.5017, 5.4826



10.3031, 16.5017, 14.3371

Rectangle

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



14.3594, 16.5017, 41.9635



19.8398, 16.5017, 36.4200



17.0884, 16.5017, 5.4826



12.1539, 16.5017, 7.1179

Sweetspot

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



14.3600, 16.5022, 41.9639



49.3440, 55.7531, 78.9665



15.8669, 30.2683, 9.3184



10.1955, 11.6228, 17.0937



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.3600, 16.5022, 41.9639



24.7874, 27.9605, 74.8963



8.3452, 4.4727, 39.9590



8.0161, 8.6316, 10.1963



10.3042, 11.7422, 30.7679



0.3332, 0.4198, 0.8715

Inverse Universe

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



20.7111, 10.4147, 18.6884



36.5575, 18.1884, 31.4226



27.0635, 28.4735, 4.3001



8.2259, 8.1036, 9.5006



15.0647, 7.4884, 13.2521



0.4426, 0.2177, 0.4925

Previews

White Background



This preview shows how the XYZ color 14.3594, 16.5017, 41.9635 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 14.3594, 16.5017, 41.9635 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

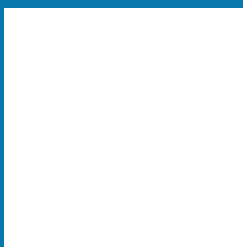
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.3594, 16.5017, 41.9635

Background



This preview shows how black text looks on a background with the XYZ color 14.3594, 16.5017, 41.9635.

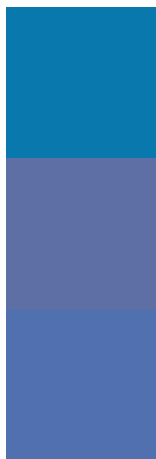


This preview shows how white text looks on a background with the XYZ color 14.3594, 16.5017,

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

14.3594, 16.5017, 41.9635

Protanopia

17.0921, 16.4652, 37.8746

Deuteranopia

16.8403, 16.3890, 42.8332



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

14.3594, 16.5017, 41.9635

Protanomaly

15.1351, 15.9185, 39.3207

Deuteranomaly

15.2920, 16.1017, 42.3464

Tritanomaly

12.4658, 16.3234, 30.5107

Monochromacy



Original Color

14.3594, 16.5017, 41.9635

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.3497, 12.1298, 20.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3594, 16.5017, 41.9635 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(8, 120, 173)` looks like.

```
.text, #text, p{  
    color:rgb(8, 120, 173)  
}
```

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(8, 120, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 120, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.3594, 16.5017, 41.9635 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(8, 120, 173) }
```


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

```
.border{ border-color:rgb(8, 120, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 120, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 120, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 120, 173);  
box-shadow:4px 4px 4px 4px rgb(8, 120,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3594, 16.5017, 41.9635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 120, 173) }
```

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

```
.background{ background-color: rgb(8, 120,  
173) }
```

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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