

Converting Colors

XYZ(9.2256, 15.7760, 36.0696)

Have a look what the booklet for
XYZ(9.2256, 15.7760, 36.0696)
contains.

XYZ(14.4157, 18.5385, 36.5367)	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(14.4157, 18.5385,
36.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	0082A1
RGB	0, 130, 161
RGB Percent	0%, 51%, 63%
CMY	0.9999, 0.4902, 0.3686
CMYK	1.00, 0.19, 0.00, 0.37
HSL	192°, 100%, 32%
HSV	192°, 100%, 63%
XYZ	14.4157, 18.5385, 36.5367
YIQ	94.6640, -87.4310, -17.9190

Conversions

Conversions Part 2

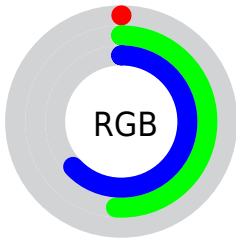
Format	Color
RYB	0, 72, 161
Decimal	33441
CIELab	50.14, -18.45, -24.94
CIELCh	50, 31.025, 233.505
Yxy	18.5385, 0.2074, 0.2668
Android (android.graphics.Color)	4278223521 (0xFF0082A1)
YUV	94.6640, 32.7036, -83.0203
Hunter-Lab	43.0564, -15.5850, -20.1728

Details

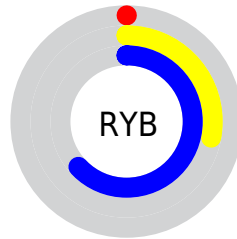
The XYZ color **14.4157, 18.5385, 36.5367** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.1890, 8.5588, 0.8523**, and the grayscale version is **10.7388, 11.2981, 12.3036**.

A 20% lighter version of the original color is **33.4480, 40.9487, 71.1067**, and **5.6290, 6.8414, 15.4919** is the 20% darker color. If you saturate the color by 10%, you get **14.4152, 18.5374, 36.5369**, and if you desaturate by 10%, it is **15.0505, 19.4876, 36.6868**.

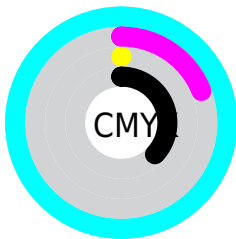
Distribution



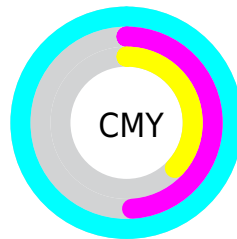
- Red (0%)
- Green (51%)
- Blue (63%)



- Red (0%)
- Yellow (28%)
- Blue (63%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4157, 18.5385, 36.5367 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 14.4157, 18.5385, 36.5367 by changing the saturation by 10% instead.

14.4157, 18.5385,
36.5367

14.4157, 18.5385,
36.5367

213.2611,
243.8890, 346.4084

8.4940, 11.3373,
24.5560

33.4050, 40.9528,
71.0380

4.4671, 6.2942,
15.5306

47.2032, 56.9347,
94.3957

1.9696, 3.0248,
9.0419

64.3577, 76.6122,
122.3828

0.6168, 1.1447,
4.6713

85.2338, 100.3699,
155.4178

0.0000, 0.0158,
2.0004

110.1968,
128.5920, 193.9194

0.0000, 0.0000,
0.5555

139.6121,

0.0000, 0.0000,

161.6629, 238.3060

0.0000

173.8451,
199.9672, 288.9961

■ 14.4157, 18.5385,
36.5367

■ 14.4157, 18.5385,
36.5367

■ 14.4152, 18.5374,
36.5369

■ 15.0505, 19.4876,
36.6868

■ 15.8687, 20.5495,
36.8487

■ 16.9443, 21.7629,
37.0262

■ 18.3088, 23.1441,
37.2209

■ 19.9890, 24.7072,
37.4340

■ 22.0087, 26.4644,
37.6667

■ 24.3891, 28.4271,
37.9201

■ 27.1498, 30.6052,
38.1950

■ 30.3090, 33.0085,
38.4924

Harmonies

Analogous

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



12.8541, 18.5385, 27.4943



14.4157, 18.5385, 36.5367



16.9776, 18.5385, 41.3770

Triad

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



14.4157, 18.5385, 36.5367



23.9759, 18.5385, 22.1068



15.4242, 18.5385, 8.5334

Complementary

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



14.4157, 18.5385, 36.5367



15.1890, 8.5588, 0.8523

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.



18.2790, 18.5385, 7.8426



14.4157, 18.5385, 36.5367



23.4393, 18.5385, 14.3020

Square

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



14.4157, 18.5385, 36.5367



22.6610, 18.5385, 31.6543



21.2677, 18.5385, 9.6268



13.3887, 18.5385, 11.8870

Rectangle

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



14.4157, 18.5385, 36.5367



18.9980, 18.5385, 40.8151



21.2677, 18.5385, 9.6268



16.3108, 18.5385, 8.0303

Sweetspot

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



14.4163, 18.5391, 36.5372



43.4117, 50.6948, 67.8836



12.9739, 25.5816, 5.4518



9.1381, 10.8061, 14.8478



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.4163, 18.5391, 36.5372



25.6778, 32.9219, 65.3877



7.6175, 4.9415, 34.2709



7.1597, 7.7783, 9.0271



11.5411, 14.8615, 29.1901



0.2706, 0.3685, 0.6227

Inverse Universe

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



18.7278, 9.1896, 21.9064



33.4685, 16.4282, 38.8605



20.2771, 18.7349, 2.5484



7.3056, 7.1787, 8.5955



14.9709, 7.3444, 17.5690



0.3288, 0.1600, 0.4438

Previews

White Background



This preview shows how the XYZ color 14.4157, 18.5385, 36.5367 looks on a white 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

Black Background



This preview shows how the XYZ color 14.4157, 18.5385, 36.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

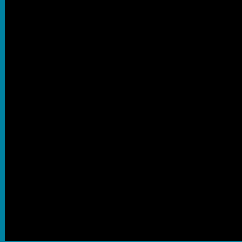
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4157, 18.5385, 36.5367

Background



This preview shows how black text looks on a background with the XYZ color 14.4157, 18.5385, 36.5367.

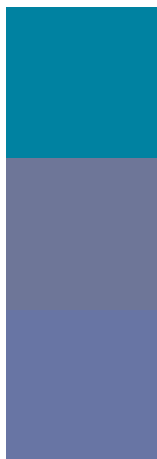


This preview shows how white text looks on a background with the XYZ color 14.4157, 18.5385,

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

14.4157, 18.5385, 36.5367

Protanopia

18.5763, 18.5389, 32.3050

Deuteranopia

18.7710, 18.3460, 37.6737



Tritanopia

13.2092, 18.4857, 28.8585

Trichromacy



Original Color

14.4157, 18.5385, 36.5367

Protanomaly

15.4017, 17.5877, 33.5934

Deuteranomaly

15.8172, 17.7217, 37.2373

Tritanomaly

13.6213, 18.4346, 31.6945

Monochromacy



Original Color

14.4157, 18.5385, 36.5367

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5558, 13.0177, 19.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4157, 18.5385, 36.5367 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(0, 130, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 161)  
}
```

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(0, 130, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 161) }
```

Border

The CSS property to change the border of an element to XYZ 14.4157, 18.5385, 36.5367 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(0, 130, 161) }
```


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

```
.border{ border-color:rgb(0, 130, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4157, 18.5385, 36.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 161) }
```

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

```
.background{ background-color: rgb(0, 130,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor