

Converting Colors

XYZ(14.2413, 18.4551, 35.6604)

Have a look what the booklet for
XYZ(14.2413, 18.4551, 35.6604)
contains.

XYZ(14.2406, 18.4685, 35.6151)	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(14.2406, 18.4685,
35.6151)**

Conversions

Conversions Part 1

Format	Color
Hex	00829F
RGB	0, 130, 159
RGB Percent	0%, 51%, 62%
CMY	0.9999, 0.4902, 0.3765
CMYK	1.00, 0.18, 0.00, 0.38
HSL	191°, 100%, 31%
HSV	191°, 100%, 62%
XYZ	14.2406, 18.4685, 35.6151
YIQ	94.4360, -86.7890, -18.5410

Conversions

Conversions Part 2

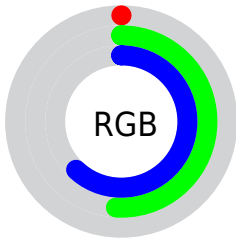
Format	Color
RYB	0, 72, 159
Decimal	33439
CIELab	50.06, -19.18, -23.91
CIELCh	50, 30.647, 231.264
Yxy	18.4685, 0.2084, 0.2703
Android (android.graphics.Color)	4278223519 (0xFF00829F)
YUV	94.4360, 31.8301, -82.8204
Hunter-Lab	42.9750, -16.0568, -19.0535

Details

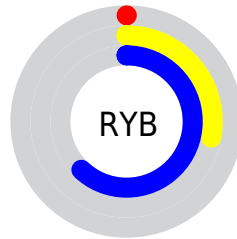
The XYZ color **14.2406, 18.4685, 35.6151** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.7382, 8.2507, 0.8163**, and the grayscale version is **10.6859, 11.2424, 12.2430**.

A 20% lighter version of the original color is **33.0956, 40.7967, 69.7486**, and **5.5225, 6.7989, 14.9312** is the 20% darker color. If you saturate the color by 10%, you get **14.2405, 18.4680, 35.6154**, and if you desaturate by 10%, it is **14.8446, 19.3610, 35.7559**.

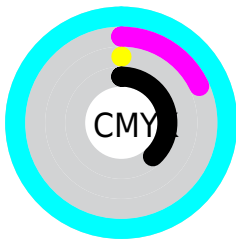
Distribution



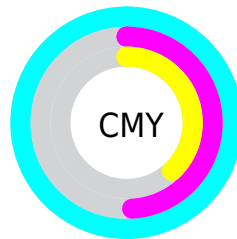
- Red (0%)
- Green (51%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2406, 18.4685, 35.6151 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 14.2406, 18.4685, 35.6151 by changing the saturation by 10% instead.

■ 14.2406, 18.4685,
35.6151

■ 14.2406, 18.4685,
35.6151

■ 212.2033,
243.4986, 342.2615

■ 8.3710, 11.2869,
23.8497

■ 33.0980, 40.8340,
69.5999

■ 4.3871, 6.2601,
15.0110

■ 46.8166, 56.7867,
92.6564

■ 1.9233, 3.0039,
8.6804

■ 63.8822, 76.4319,
120.3138

■ 0.5904, 1.1338,
4.4394

■ 84.6602, 100.1539,
152.9905

■ 0.0000, 0.0066,
1.8693

■ 109.5160,
128.3372, 191.1050

■ 0.0000, 0.0000,
0.4731

■ 138.8148,

■ 0.0000, 0.0000,

161.3662, 235.0760

0.0000

172.9222,
199.6252, 285.3220

■ 14.2406, 18.4685,
35.6151

■ 14.2406, 18.4685,
35.6151

■ 14.2405, 18.4680,
35.6154

■ 14.8446, 19.3610,
35.7559

■ 15.6245, 20.3602,
35.9077

■ 16.6535, 21.5041,
36.0742

■ 17.9619, 22.8086,
36.2571

■ 19.5757, 24.2872,
36.4574

■ 21.5178, 25.9519,
36.6764

■ 23.8090, 27.8134,
36.9149

■ 26.4681, 29.8816,
37.1740

■ 29.5127, 32.1656,
37.4544

Harmonies

Analogous

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



12.7837, 18.4685, 26.5895



14.2406, 18.4685, 35.6151



16.7069, 18.4685, 40.7992

Triad

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



14.2406, 18.4685, 35.6151



23.7732, 18.4685, 22.6765



15.5773, 18.4685, 8.4577

Complementary

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



14.2406, 18.4685, 35.6151



14.7382, 8.2507, 0.8163

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.



18.4287, 18.4685, 7.9534



14.2406, 18.4685, 35.6151



23.3834, 18.4685, 14.7777

Square

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



14.2406, 18.4685, 35.6151



22.3567, 18.4685, 32.0726



21.3446, 18.4685, 9.9185



13.4932, 18.4685, 11.5659

Rectangle

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



14.2406, 18.4685, 35.6151



18.6844, 18.4685, 40.6001



21.3446, 18.4685, 9.9185



16.4697, 18.4685, 8.0206

Sweetspot

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



14.2412, 18.4691, 35.6156



42.3821, 49.6062, 66.0846



12.5908, 24.8736, 5.1453



9.1737, 10.8773, 14.8597



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.



14.2412, 18.4691, 35.6156



25.3721, 32.8122, 63.7396



7.5321, 5.0508, 33.3792



6.7189, 7.3036, 8.4623



11.2753, 14.6421, 28.1392



0.2261, 0.3108, 0.5113

Inverse Universe

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



18.3279, 8.9832, 21.8877



32.7562, 16.0605, 38.8478



19.4531, 17.6806, 2.3880



6.8522, 6.7338, 8.0729



14.4894, 7.1003, 17.3603



0.2714, 0.1319, 0.3755

Previews

White Background



This preview shows how the XYZ color 14.2406, 18.4685, 35.6151 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 14.2406, 18.4685, 35.6151 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 14.2406, 18.4685, 35.6151

Background



This preview shows how black text looks on a background with the XYZ color 14.2406, 18.4685, 35.6151.

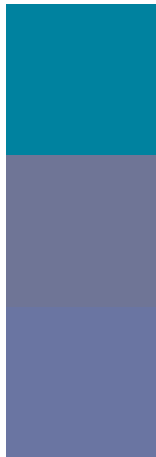


This preview shows how white text looks on a background with the XYZ color 14.2406, 18.4685,

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

14.2406, 18.4685, 35.6151

Protanopia

18.4219, 18.3041, 31.4163

Deuteranopia

18.8267, 18.3954, 36.7408



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

14.2406, 18.4685, 35.6151

Protanomaly

15.3078, 17.5586, 32.7193

Deuteranomaly

15.7073, 17.6856, 36.3040

Tritanomaly

13.4616, 18.3707, 30.8534

Monochromacy



Original Color

14.2406, 18.4685, 35.6151

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3912, 12.7841, 19.0594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2406, 18.4685, 35.6151 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 159) }
```

Border

The CSS property to change the border of an element to XYZ 14.2406, 18.4685, 35.6151 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, 159) }
```


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

```
.border{ border-color:rgb(0, 130, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2406, 18.4685, 35.6151 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, 159) }
```

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

```
.background{ background-color: rgb(0, 130,  
159) }
```

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