

Converting Colors

XYZ(13.0908, 18.2215, 33.8848)

Have a look what the booklet for
XYZ(13.0908, 18.2215, 33.8848)
contains.

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Color

**XYZ(14.1677, 18.8691,
33.9057)**

Conversions

Conversions Part 1

Format	Color
Hex	00849B
RGB	0, 132, 155
RGB Percent	0%, 52%, 61%
CMY	0.9999, 0.4823, 0.3922
CMYK	1.00, 0.15, 0.00, 0.39
HSL	189°, 100%, 30%
HSV	189°, 100%, 61%
XYZ	14.1677, 18.8691, 33.9057
YIQ	95.1540, -86.0550, -20.8310

Conversions

Conversions Part 2

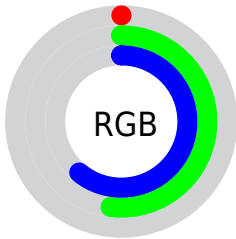
Format	Color
RYB	0, 71, 155
Decimal	33947
CIELab	50.53, -21.67, -20.85
CIELCh	51, 30.073, 223.886
Yxy	18.8691, 0.2116, 0.2819
Android (android.graphics.Color)	4278224027 (0xFF00849B)
YUV	95.1540, 29.5041, -83.4501
Hunter-Lab	43.4386, -17.7989, -15.8714

Details

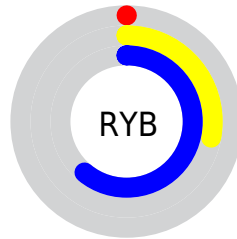
The XYZ color **14.1677, 18.8691, 33.9057** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8248, 7.5826, 0.7358**, and the grayscale version is **10.8627, 11.4284, 12.4455**.

A 20% lighter version of the original color is **32.8821, 41.3761, 66.5749**, and **5.5160, 7.0341, 14.1637** is the 20% darker color. If you saturate the color by 10%, you get **14.1674, 18.8684, 33.9060**, and if you desaturate by 10%, it is **14.6891, 19.6065, 34.0209**.

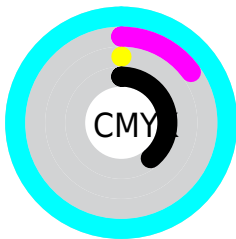
Distribution



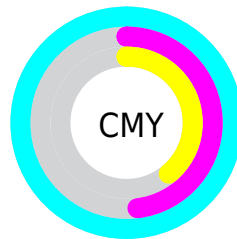
- Red (0%)
- Green (52%)
- Blue (61%)



- Red (0%)
- Yellow (28%)
- Blue (61%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (48%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1677, 18.8691, 33.9057 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 14.1677, 18.8691, 33.9057 by changing the saturation by 10% instead.

■ 14.1677, 18.8691,
33.9057

■ 14.1677, 18.8691,
33.9057

■ 211.7614,
245.7252, 334.4677

■ 8.3199, 11.5757,
22.5444

■ 32.9701, 41.5128,
66.9192

■ 4.3538, 6.4555,
14.0553

■ 46.6553, 57.6319,
89.4085

■ 1.9042, 3.1240,
8.0200

■ 63.6838, 77.4617,
116.4442

■ 0.5793, 1.1968,
4.0198

■ 84.4208, 101.3866,
148.4448

■ 0.0000, 0.0591,
1.6362

■ 109.2317,
129.7910, 185.8290

■ 0.0000, 0.0000,
0.3165

■ 138.4819,

■ 0.0000, 0.0000,

163.0593, 229.0151

0.0000

172.5367,
201.5759, 278.4218

■ 14.1677, 18.8691,
33.9057

■ 14.1677, 18.8691,
33.9057

■ 14.1674, 18.8684,
33.9060

■ 14.6891, 19.6065,
34.0209

■ 15.3717, 20.4368,
34.1452

■ 16.2857, 21.3969,
34.2823

■ 17.4598, 22.5014,
34.4337

■ 18.9181, 23.7629,
34.6003

■ 20.6823, 25.1926,
34.7833

■ 22.7717, 26.8005,
34.9835

■ 25.2039, 28.5959,
35.2019

■ 27.9956, 30.5872,
35.4391

Harmonies

Analogous

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



12.9960, 18.8691, 24.6721



14.1677, 18.8691, 33.9057



16.4136, 18.8691, 40.3070

Triad

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



14.1677, 18.8691, 33.9057



23.9193, 18.8691, 25.3644



16.6143, 18.8691, 8.5124

Complementary

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



14.1677, 18.8691, 33.9057



13.8248, 7.5826, 0.7358

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.



19.5465, 18.8691, 8.6031



14.1677, 18.8691, 33.9057



23.9882, 18.8691, 16.9063

Square

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



14.1677, 18.8691, 33.9057



22.1369, 18.8691, 34.5302



22.3160, 18.8691, 11.2562



14.3007, 18.8691, 10.9612

Rectangle

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



14.1677, 18.8691, 33.9057



18.3196, 18.8691, 41.2510



22.3160, 18.8691, 11.2562



17.5549, 18.8691, 8.2729

Sweetspot

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



14.1683, 18.8698, 33.9062



40.5381, 47.8131, 62.6286



11.8544, 23.4961, 4.6050



8.8301, 10.5592, 14.1431



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.1683, 18.8698, 33.9062



25.2633, 33.5735, 60.6851



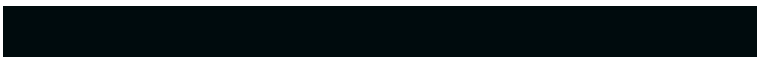
7.3727, 5.2784, 31.6409



6.3065, 6.8703, 7.9227



11.4009, 15.1984, 27.2404



0.1891, 0.2645, 0.4135

Inverse Universe

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



17.6830, 8.6353, 22.5652



31.6121, 15.4414, 40.1195



17.9022, 15.7374, 2.0949



6.4218, 6.3079, 7.6013



14.2134, 6.9396, 18.1806



0.2219, 0.1075, 0.3214

Previews

White Background



This preview shows how the XYZ color 14.1677, 18.8691, 33.9057 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 14.1677, 18.8691, 33.9057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

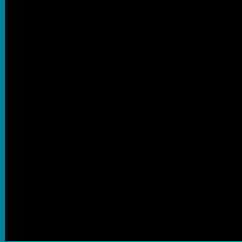
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.1677, 18.8691, 33.9057

Background



This preview shows how black text looks on a background with the XYZ color 14.1677, 18.8691, 33.9057.

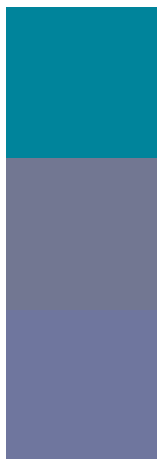


This preview shows how white text looks on a background with the XYZ color 14.1677, 18.8691,

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

14.1677, 18.8691, 33.9057

Protanopia

18.7246, 18.8464, 29.8450

Deuteranopia

19.2055, 18.8050, 34.9652

Trichromacy



Original Color

14.1677, 18.8691, 33.9057

Protanomaly

15.3801, 18.0017, 31.0978

Deuteranomaly

15.7673, 17.9398, 34.5300

Monochromacy



Original Color

14.1677, 18.8691, 33.9057

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.4369, 12.9701, 18.7830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1677, 18.8691, 33.9057 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, 132, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 155)  
}
```

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, 132, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 155) }
```

Border

The CSS property to change the border of an element to XYZ 14.1677, 18.8691, 33.9057 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, 132, 155) }
```

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

```
.border{ border-color:rgb(0, 132, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
155) }
```


Background

The CSS property to change the background color of an element to XYZ 14.1677, 18.8691, 33.9057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 155) }
```

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

```
.background{ background-color: rgb(0, 132,  
155) }
```

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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