

Converting Colors

XYZ(14.0916, 17.9785, 34.5509)

Have a look what the booklet for
XYZ(14.0916, 17.9785, 34.5509)
contains.

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Color

**XYZ(14.1359, 18.0432,
34.6359)**

Conversions

Conversions Part 1

Format	Color
Hex	16809D
RGB	22, 128, 157
RGB Percent	9%, 50%, 62%
CMY	0.9137, 0.4980, 0.3843
CMYK	0.86, 0.18, 0.00, 0.38
HSL	193°, 75%, 35%
HSV	193°, 86%, 62%
XYZ	14.1359, 18.0432, 34.6359
YIQ	99.6120, -72.4850, -13.4530

Conversions

Conversions Part 2

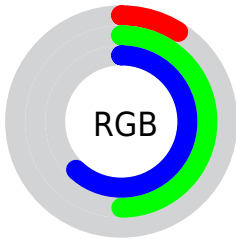
Format	Color
R _Y B	22, 81, 157
Decimal	1474717
CIE Lab	49.55, -17.63, -23.51
CIE LCh	50, 29.386, 233.142
Yxy	18.0432, 0.2116, 0.2700
Android (android.graphics.Color)	4279664797 (0xFF16809D)
YUV	99.6120, 28.2923, -68.0657
Hunter-Lab	42.4773, -14.9327, -18.6109

Details

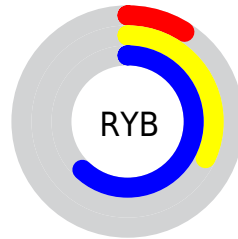
The XYZ color **14.1359, 18.0432, 34.6359** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.2344, 9.5954, 1.8092**, and the grayscale version is **11.9597, 12.5825, 13.7024**.

A 20% lighter version of the original color is **32.9217, 40.1284, 68.2977**, and **5.3975, 6.6326, 14.6314** is the 20% darker color. If you saturate the color by 10%, you get **13.4516, 17.0484, 34.4803**, and if you desaturate by 10%, it is **15.0415, 19.1744, 34.8069**.

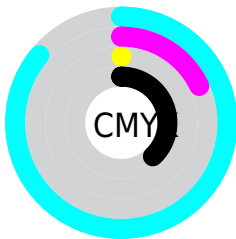
Distribution



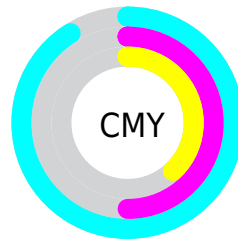
- Red (9%)
- Green (50%)
- Blue (62%)



- Red (9%)
- Yellow (32%)
- Blue (62%)



- Cyan (86%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1359, 18.0432, 34.6359 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 14.1359, 18.0432, 34.6359 by changing the saturation by 10% instead.

■ 14.1359, 18.0432,
34.6359

■ 14.1359, 18.0432,
34.6359

■ 211.5684,
241.1144, 337.8136

■ 8.2976, 10.9810,
23.1012

■ 32.9142, 40.1109,
68.0665

■ 4.3394, 6.0541,
14.4623

■ 46.5849, 55.8852,
90.7995

■ 1.8959, 2.8780,
8.3005

■ 63.5972, 75.3324,
118.1024

■ 0.5744, 1.0684,
4.1973

■ 84.3162, 98.8368,
150.3936

■ 0.0000, 0.0000,
1.7342

■ 109.1076,
126.7828, 188.0919

■ 0.0000, 0.0000,
0.3840

■ 138.3364,

■ 0.0000, 0.0000,

159.5548, 231.6156

0.0000

172.3683,
197.5372, 281.3833

■ 14.1359, 18.0432,
34.6359

■ 14.1359, 18.0432,
34.6359

■ 13.4516, 17.0484,
34.4803

■ 15.0415, 19.1744,
34.8069

■ 13.2025, 16.6676,
34.4199

■ 16.2050, 20.4602,
34.9937

■ 17.6543, 21.9154,
35.1982

■ 19.4136, 23.5528,
35.4215

■ 21.5040, 25.3833,
35.6647

■ 23.9450, 27.4174,
35.9287

■ 26.7544, 29.6642,
36.2143

■ 29.9488, 32.1326,
36.5224

■ 33.5437, 34.8308,
36.8537

Harmonies

Analogous

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



12.6847, 18.0432, 26.3054



14.1359, 18.0432, 34.6359



16.5185, 18.0432, 39.1273

Triad

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



14.1359, 18.0432, 34.6359



23.0298, 18.0432, 21.5332



15.1313, 18.0432, 8.6550

Complementary

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



14.1359, 18.0432, 34.6359



15.2344, 9.5954, 1.8092

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.



17.7964, 18.0432, 8.0206



14.1359, 18.0432, 34.6359



22.5555, 18.0432, 14.2175

Square

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



14.1359, 18.0432, 34.6359



21.7972, 18.0432, 30.3465



20.5636, 18.0432, 9.7582



13.2144, 18.0432, 11.8128

Rectangle

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



14.1359, 18.0432, 34.6359



18.3952, 18.0432, 38.6672



20.5636, 18.0432, 9.7582



15.9614, 18.0432, 8.1822

Sweetspot

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



14.1365, 18.0438, 34.6363



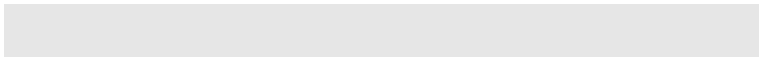
42.6369, 48.9006, 64.3183



12.9431, 24.5069, 6.9555



9.0624, 10.4973, 14.1189



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.



14.1365, 18.0438, 34.6363



23.4999, 29.5612, 61.5941



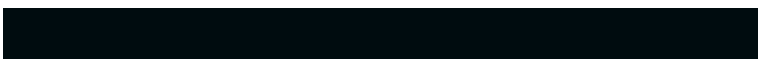
8.1678, 6.1065, 32.6468



6.7008, 7.2674, 8.4563



10.7503, 13.5922, 27.9642



0.2200, 0.2986, 0.5093

Inverse Universe

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



18.0884, 9.3013, 21.2645



31.2621, 15.3815, 34.6583



20.3537, 19.8340, 3.5156



6.8431, 6.7302, 8.0248



14.2245, 6.9944, 15.9649



0.2684, 0.1307, 0.3593

Previews

White Background



This preview shows how the XYZ color 14.1359, 18.0432, 34.6359 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 14.1359, 18.0432, 34.6359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

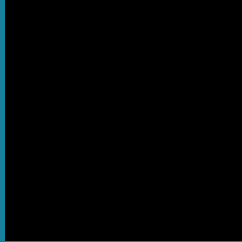
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.1359, 18.0432, 34.6359

Background



This preview shows how black text looks on a background with the XYZ color 14.1359, 18.0432, 34.6359.

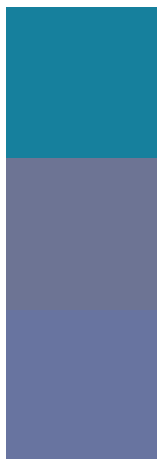


This preview shows how white text looks on a background with the XYZ color 14.1359, 18.0432,

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

14.1359, 18.0432, 34.6359

Protanopia

17.8974, 17.8801, 30.5249

Deuteranopia

18.2995, 17.9719, 35.7621



Tritanopia

12.7904, 17.8884, 27.9780

Trichromacy



Original Color

14.1359, 18.0432, 34.6359

Protanomaly

15.3630, 17.2451, 31.7971

Deuteranomaly

15.7985, 17.3920, 35.3252

Tritanomaly

13.2169, 17.8587, 30.3542

Monochromacy



Original Color

14.1359, 18.0432, 34.6359

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.6996, 13.9101, 20.1574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1359, 18.0432, 34.6359 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(22, 128, 157)` looks like.

```
.text, #text, p{  
    color:rgb(22, 128, 157)  
}
```

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(22, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 128, 157) }
```

Border

The CSS property to change the border of an element to XYZ 14.1359, 18.0432, 34.6359 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(22, 128, 157) }
```


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

```
.border{ border-color:rgb(22, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(22, 128,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1359, 18.0432, 34.6359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 128, 157) }
```

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

```
.background{ background-color: rgb(22, 128,  
157) }
```

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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