

Converting Colors

XYZ(14.6405, 18.4187, 36.1912)

Have a look what the booklet for
XYZ(14.6405, 18.4187, 36.1912)
contains.

XYZ(14.6474, 18.4716, 36.0511)	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(14.6474, 18.4716,
36.0511)**

Conversions

Conversions Part 1

Format	Color
Hex	1B81A0
RGB	27, 129, 160
RGB Percent	11%, 51%, 63%
CMY	0.8941, 0.4941, 0.3725
CMYK	0.83, 0.19, 0.00, 0.37
HSL	194°, 71%, 37%
HSV	194°, 83%, 63%
XYZ	14.6474, 18.4716, 36.0511
YIQ	102.0360, -70.7430, -11.9830

Conversions

Conversions Part 2

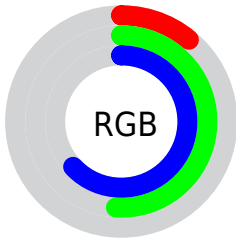
Format	Color
R_{YB}	27, 85, 160
Decimal	1802656
CIE Lab	50.06, -16.69, -24.46
CIE LCh	50, 29.610, 235.696
Yxy	18.4716, 0.2118, 0.2670
Android (android.graphics.Color)	4279992736 (0xFF1B81A0)
YUV	102.0360, 28.5763, -65.8066
Hunter-Lab	42.9786, -14.3785, -19.6483

Details

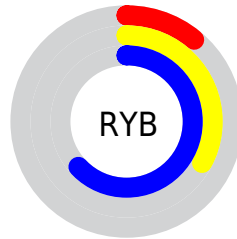
The XYZ color **14.6474, 18.4716, 36.0511** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.2089, 10.5800, 2.2254**, and the grayscale version is **12.5808, 13.2359, 14.4139**.

A 20% lighter version of the original color is **33.8176, 40.8490, 70.3922**, and **5.5754, 6.8200, 15.2099** is the 20% darker color. If you saturate the color by 10%, you get **13.8515, 17.3456, 35.8761**, and if you desaturate by 10%, it is **15.6928, 19.7535, 36.2438**.

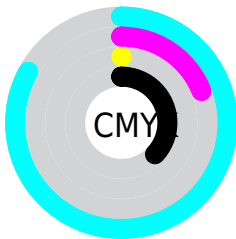
Distribution



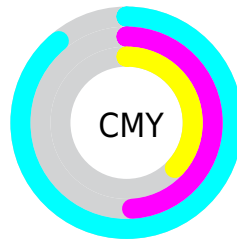
- Red (11%)
- Green (51%)
- Blue (63%)



- Red (11%)
- Yellow (33%)
- Blue (63%)



- Cyan (83%)
- Magenta (19%)
- Yellow (0%)
- Black (37%)



- Cyan (89%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6474, 18.4716, 36.0511 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 14.6474, 18.4716, 36.0511 by changing the saturation by 10% instead.

■ 14.6474, 18.4716,
36.0511

■ 14.6474, 18.4716,
36.0511

■ 214.6530,
243.5160, 344.2280

■ 8.6570, 11.2891,
24.1837

■ 33.8102, 40.8393,
70.2809

■ 4.5734, 6.2616,
15.2565

■ 47.7133, 56.7933,
93.4803

■ 2.0314, 3.0048,
8.8510

■ 64.9846, 76.4399,
121.2941

■ 0.6515, 1.1342,
4.5486

■ 85.9896, 100.1635,
154.1408

■ 0.0000, 0.0070,
1.9309

■ 111.0936,
128.3485, 192.4390

■ 0.0000, 0.0000,
0.5123

■ 140.6619,

■ 0.0000, 0.0000,

161.3793, 236.6073

0.0000

175.0599,
199.6403, 287.0641

■ 14.6474, 18.4716,
36.0511

■ 14.6474, 18.4716,
36.0511

■ 13.8515, 17.3456,
35.8761

■ 15.6928, 19.7535,
36.2438

■ 13.3917, 16.6311,
35.7624

■ 17.0188, 21.2067,
36.4544

■ 18.6537, 22.8463,
36.6847

■ 20.6219, 24.6851,
36.9359

■ 22.9451, 26.7346,
37.2091

■ 25.6430, 29.0053,
37.5051

■ 28.7341, 31.5069,
37.8251

■ 32.2354, 34.2484,
38.1697

■ 36.1630, 37.2385,
38.5398

Harmonies

Analogous

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



13.0695, 18.4716, 27.7090



14.6474, 18.4716, 36.0511



17.1489, 18.4716, 40.1585

Triad

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



14.6474, 18.4716, 36.0511



23.6040, 18.4716, 21.3126



15.2874, 18.4716, 9.0307

Complementary

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



14.6474, 18.4716, 36.0511



16.2089, 10.5800, 2.2254

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.



17.9709, 18.4716, 8.1756



14.6474, 18.4716, 36.0511



22.9688, 18.4716, 14.0491

Square

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



14.6474, 18.4716, 36.0511



22.4807, 18.4716, 30.3108



20.8278, 18.4716, 9.7387



13.4100, 18.4716, 12.5044

Rectangle

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



14.6474, 18.4716, 36.0511



19.0805, 18.4716, 39.3073



20.8278, 18.4716, 9.7387



16.1163, 18.4716, 8.4759

Sweetspot

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



14.6480, 18.4722, 36.0516



45.3385, 51.6528, 67.9669



13.7328, 25.6589, 7.9480



9.5852, 11.0280, 14.8671



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.



14.6480, 18.4722, 36.0516



24.1543, 29.8750, 64.8799



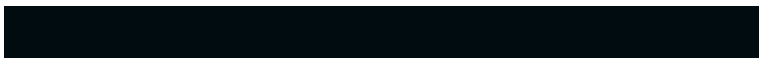
8.6702, 6.5166, 34.0589



6.6907, 7.2471, 8.4529



10.4664, 13.0244, 27.8696



0.2166, 0.2919, 0.5081

Inverse Universe

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



18.8521, 9.8431, 21.6758



32.6995, 16.1206, 34.8112



21.6943, 21.5508, 4.0539



6.8380, 6.7281, 7.9979



14.0812, 6.9370, 15.2104



0.2667, 0.1300, 0.3504

Previews

White Background



This preview shows how the XYZ color 14.6474, 18.4716, 36.0511 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 14.6474, 18.4716, 36.0511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

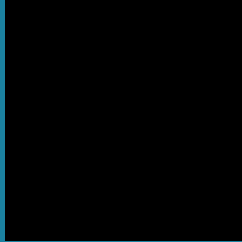
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6474, 18.4716, 36.0511

Background



This preview shows how black text looks on a background with the XYZ color 14.6474, 18.4716, 36.0511.

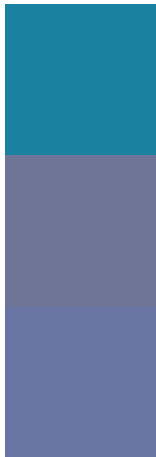


This preview shows how white text looks on a background with the XYZ color 14.6474, 18.4716,

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

14.6474, 18.4716, 36.0511

Protanopia

18.3776, 18.2719, 31.8364

Deuteranopia

18.7978, 18.3702, 37.2054



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

14.6474, 18.4716, 36.0511

Protanomaly

15.9784, 17.7133, 33.1487

Deuteranomaly

16.4195, 17.8612, 36.7646

Tritanomaly

13.6663, 18.4671, 31.2780

Monochromacy



Original Color

14.6474, 18.4716, 36.0511

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2710, 14.5143, 20.8937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6474, 18.4716, 36.0511 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(27, 129, 160)` looks like.

```
.text, #text, p{  
    color:rgb(27, 129, 160)  
}
```

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(27, 129, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 129, 160) }
```

Border

The CSS property to change the border of an element to XYZ 14.6474, 18.4716, 36.0511 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(27, 129, 160) }
```


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

```
.border{ border-color:rgb(27, 129, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 129, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 129, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 129, 160);  
box-shadow:4px 4px 4px 4px rgb(27, 129,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6474, 18.4716, 36.0511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 129, 160) }
```

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

```
.background{ background-color: rgb(27, 129,  
160) }
```

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