

Converting Colors

XYZ(18.2665, 9.1172, 14.3879)

Have a look what the booklet for
XYZ(18.2665, 9.1172, 14.3879)
contains.

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Color

**XYZ(18.3274, 9.1476,
14.4354)**

Conversions

Conversions Part 1

Format	Color
Hex	A6006A
RGB	166, 0, 106
RGB Percent	65%, 0%, 42%
CMY	0.3490, 0.9999, 0.5843
CMYK	0.00, 1.00, 0.36, 0.35
HSL	322°, 100%, 33%
HSV	322°, 100%, 65%
XYZ	18.3274, 9.1476, 14.4354
YIQ	61.7180, 64.9100, 68.1580

Conversions

Conversions Part 2

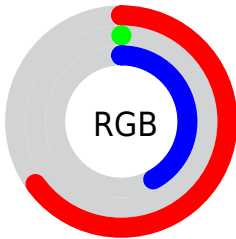
Format	Color
RYB	166, 0, 106
Decimal	10879082
CIELab	36.27, 63.57, -11.87
CIElCh	36, 64.672, 349.428
Yxy	9.1476, 0.4373, 0.2183
Android (android.graphics.Color)	4289069162 (0xFFA6006A)
YUV	61.7180, 21.8310, 91.4553
Hunter-Lab	30.2450, 55.2359, -7.1266

Details

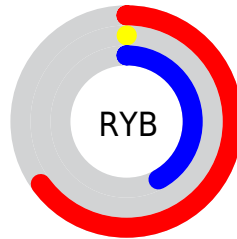
The XYZ color **18.3274, 9.1476, 14.4354** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.4527, 27.5991, 8.8436**, and the grayscale version is **4.5031, 4.7376, 5.1592**.

A 20% lighter version of the original color is **39.9331, 24.0338, 34.4326**, and **6.9738, 3.5039, 4.4464** is the 20% darker color. If you saturate the color by 10%, you get **18.3270, 9.1474, 14.4331**, and if you desaturate by 10%, it is **18.8452, 9.6662, 16.2021**.

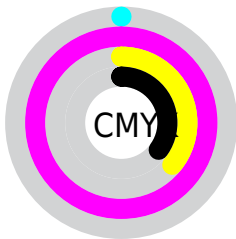
Distribution



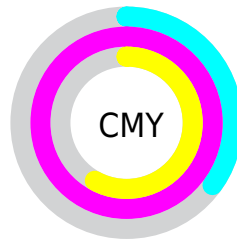
- Red (65%)
- Green (0%)
- Blue (42%)



- Red (65%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (35%)



- Cyan (35%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3274, 9.1476, 14.4354 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 18.3274, 9.1476, 14.4354 by changing the saturation by 10% instead.

■ 18.3274, 9.1476,
14.4354

■ 18.3274, 9.1476,
14.4354

235.7201,
184.4752, 231.4448

■ 11.2864, 4.8376,
8.2819

■ 40.1201, 24.1794,
34.5878

■ 6.3285, 2.1523,
4.1855

■ 55.6026, 35.6699,
49.4238

■ 3.0884, 0.6938,
1.7277

■ 74.6296, 50.3227,
67.9910

■ 1.2007, 0.0000,
0.3796

■ 97.5665, 68.5223,
90.7080

■ 0.1069, 0.0000,
0.0000

■ 124.7786, 90.6529,
117.9934

■ 0.0000, 0.0000,
0.0000

■ 156.6314,

117.0990, 150.2656

193.4901,
148.2450, 187.9432

■ 18.3274, 9.1476,
14.4354

■ 18.3274, 9.1476,
14.4354

■ 18.3270, 9.1474,
14.4331

■ 18.8452, 9.6662,
16.2021

■ 19.5461, 10.5152,
18.1396

■ 20.4972, 11.8285,
20.2725

■ 21.7285, 13.6649,
22.6127

■ 23.2652, 16.0748,
25.1707

■ 25.1299, 19.1025,
27.9559

■ 27.3429, 22.7877,
30.9768

■ 29.9226, 27.1671,
34.2416

■ 32.8863, 32.2745,
37.7576

Harmonies

Analogous

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



15.7123, 9.1476, 31.4304



18.3274, 9.1476, 14.4354



17.8399, 9.1476, 4.3947

Triad

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



18.3274, 9.1476, 14.4354



6.4342, 9.1476, 0.1077



4.6772, 9.1476, 36.7412

Complementary

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



18.3274, 9.1476, 14.4354



14.4527, 27.5991, 8.8436

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.



3.3724, 9.1476, 18.9308



18.3274, 9.1476, 14.4354



4.1571, 9.1476, 1.5101

Square

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



18.3274, 9.1476, 14.4354



10.1419, 9.1476, 0.0000



3.2157, 9.1476, 6.5211



7.3918, 9.1476, 49.4083

Rectangle

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



18.3274, 9.1476, 14.4354



15.8553, 9.1476, 1.6054



3.2157, 9.1476, 6.5211



4.0986, 9.1476, 30.7297

Sweetspot

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



18.3277, 9.1481, 14.4355



49.3775, 40.9419, 55.8949



8.6348, 3.6567, 36.3271



10.6710, 8.5281, 12.0010



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.3277, 9.1481, 14.4355



33.1572, 16.5599, 25.6441



15.9007, 8.1773, 1.6555



7.7251, 7.6199, 8.8695



14.2346, 7.1026, 11.3130



0.3695, 0.1821, 0.3973

Inverse Universe

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



18.3277, 9.1481, 14.4355



33.1572, 16.5599, 25.6441



18.4519, 29.1988, 29.9031



7.7251, 7.6199, 8.8695



14.2346, 7.1026, 11.3130



0.3695, 0.1821, 0.3973

Previews

White Background



This preview shows how the XYZ color 18.3274, 9.1476, 14.4354 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 ✓ Pass

Black Background



This preview shows how the XYZ color 18.3274, 9.1476, 14.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

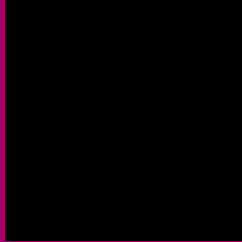
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3274, 9.1476, 14.4354

Background



This preview shows how black text looks on a background with the XYZ color 18.3274, 9.1476, 14.4354.



This preview shows how white text looks on a background with the XYZ color 18.3274, 9.1476,

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

18.3274, 9.1476, 14.4354

Protanopia

10.8588, 9.8832, 31.0411

Deuteranopia

9.9936, 9.8317, 13.1754



Tritanopia

16.1643, 9.5117, 3.2695

Trichromacy



Original Color

18.3274, 9.1476, 14.4354

Protanomaly

10.8850, 7.1343, 23.7250

Deuteranomaly

11.3722, 7.6136, 13.4406

Tritanomaly

16.4796, 8.9637, 6.0159

Monochromacy



Original Color

18.3274, 9.1476, 14.4354

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.3562, 4.7104, 7.7292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3274, 9.1476, 14.4354 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(166, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 106)  
}
```

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(166, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.3274, 9.1476, 14.4354 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(166, 0, 106) }
```


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

```
.border{ border-color:rgb(166, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3274, 9.1476, 14.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 106) }
```

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

```
.background{ background-color: rgb(166, 0,  
106) }
```

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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