

Converting Colors

XYZ(9.1941, 11.4073, 18.6394)

Have a look what the booklet for
XYZ(9.1941, 11.4073, 18.6394)
contains.

XYZ(9.1812, 11.4155, 18.5491)	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(9.1812, 11.4155,
18.5491)**

Conversions

Conversions Part 1

Format	Color
Hex	306675
RGB	48, 102, 117
RGB Percent	19%, 40%, 46%
CMY	0.8118, 0.6000, 0.5412
CMYK	0.59, 0.13, 0.00, 0.54
HSL	193°, 42%, 32%
HSV	193°, 59%, 46%
XYZ	9.1812, 11.4155, 18.5491
YIQ	87.5640, -36.9990, -6.7830

Conversions

Conversions Part 2

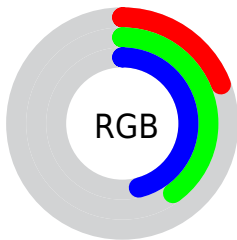
Format	Color
RYB	48, 78, 117
Decimal	3171957
CIELab	40.27, -13.13, -13.85
CIELCh	40, 19.088, 226.521
Yxy	11.4155, 0.2345, 0.2916
Android (android.graphics.Color)	4281362037 (0xFF306675)
YUV	87.5640, 14.5119, -34.6976
Hunter-Lab	33.7868, -10.6215, -8.8997

Details

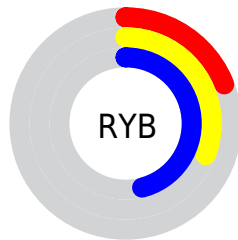
The XYZ color **9.1812, 11.4155, 18.5491** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.6474, 7.5507, 3.7457**, and the grayscale version is **9.1566, 9.6335, 10.4908**.

A 20% lighter version of the original color is **23.9195, 28.4137, 41.7598**, and **2.4404, 3.1620, 6.1119** is the 20% darker color. If you saturate the color by 10%, you get **8.4545, 10.6757, 18.4448**, and if you desaturate by 10%, it is **10.0619, 12.2466, 18.6633**.

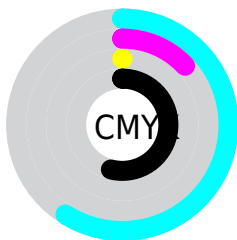
Distribution



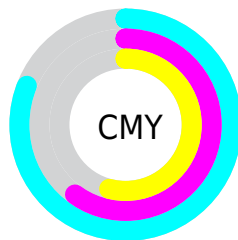
- Red (19%)
- Green (40%)
- Blue (46%)



- Red (19%)
- Yellow (31%)
- Blue (46%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (54%)



- Cyan (81%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1812, 11.4155, 18.5491 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 9.1812, 11.4155, 18.5491 by changing the saturation by 10% instead.

9.1812, 11.4155,
18.5491

9.1812, 11.4155,
18.5491

178.9025,
200.4964, 256.2873

4.9176, 6.3470,
11.1714

23.9075, 28.4260,
41.7973

2.2333, 3.0572,
6.0666

35.1009, 41.1368,
58.5049

0.7602, 1.1617,
2.8162

49.3350, 57.1638,
79.1595

0.0000, 0.0301,
1.0016

66.9750, 76.8915,
104.1797

0.0000, 0.0000,
0.0000

88.3865, 100.7042,
133.9841

113.9346,

128.9863, 168.9911

143.9849,
162.1222, 209.6193

■ 9.1812, 11.4155,
18.5491

■ 9.1812, 11.4155,
18.5491

■ 8.4545, 10.6757,
18.4448

■ 10.0619, 12.2466,
18.6633

■ 7.8690, 10.0197,
18.3491

■ 11.1061, 13.1732,
18.7871

■ 7.4113, 9.4409,
18.2614

■ 12.3237, 14.2007,
18.9213

■ 7.0383, 8.9167,
18.1799

■ 13.7234, 15.3339,
19.0662

■ 7.0006, 8.8638,
18.1717

■ 15.3136, 16.5769,
19.2224

■ 17.1018, 17.9340,
19.3900

■ 19.0953, 19.4088,
19.5697

■ 21.3009, 21.0051,
19.7615

■ 23.7253, 22.7263,
19.9660

Harmonies

Analogous

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



8.5749, 11.4155, 14.6346



9.1812, 11.4155, 18.5491



10.2639, 11.4155, 21.0157

Triad

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



9.1812, 11.4155, 18.5491



13.5367, 11.4155, 14.2191



10.1378, 11.4155, 6.6394

Complementary

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



9.1812, 11.4155, 18.5491



9.6474, 7.5507, 3.7457

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.



11.4582, 11.4155, 6.5732



9.1812, 11.4155, 18.5491



13.4959, 11.4155, 10.4579

Square

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



9.1812, 11.4155, 18.5491



12.8170, 11.4155, 18.1917



12.7099, 11.4155, 7.8299



9.0954, 11.4155, 8.0341

Rectangle

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



9.1812, 11.4155, 18.5491



11.1436, 11.4155, 21.2359



12.7099, 11.4155, 7.8299



10.5618, 11.4155, 6.4726

Sweetspot

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



9.1816, 11.4159, 18.5494



24.7103, 27.5661, 34.1554



8.4763, 13.7095, 6.8952



5.5377, 6.2235, 7.8384



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.1816, 11.4159, 18.5494



14.7056, 18.6459, 32.9609



6.4702, 5.9932, 17.6456



3.7190, 4.0267, 4.6715



7.7016, 9.7430, 20.0172



36.8840, 46.1846, 97.3308

Inverse Universe

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



10.7917, 6.8555, 13.3253



18.0395, 10.1966, 21.9209



12.1863, 12.6284, 4.5920



3.7942, 3.7450, 4.4430



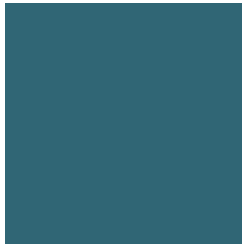
10.1846, 5.0075, 11.4460



49.3041, 24.2718, 54.0580

Previews

White Background



This preview shows how the XYZ color 9.1812, 11.4155, 18.5491 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 9.1812, 11.4155, 18.5491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

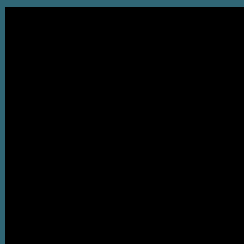
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.1812, 11.4155, 18.5491

Background



This preview shows how black text looks on a background with the XYZ color 9.1812, 11.4155, 18.5491.



This preview shows how white text looks on a background with the XYZ color 9.1812, 11.4155, 18.5491.

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

9.1812, 11.4155, 18.5491

Protanopia

11.1863, 11.3773, 16.6454

Deuteranopia

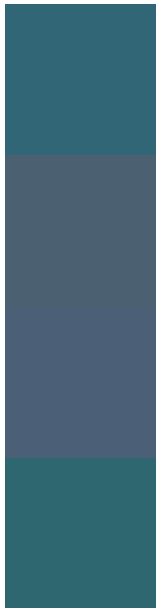
11.5585, 11.3848, 19.0410



Tritanopia

8.8462, 11.4290, 16.7787

Trichromacy



Original Color

9.1812, 11.4155, 18.5491

Protanomaly

10.1570, 11.2375, 17.2565

Deuteranomaly

10.3545, 11.1696, 18.7497

Tritanomaly

9.0032, 11.4971, 17.3674

Monochromacy



Original Color

9.1812, 11.4155, 18.5491

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.9141, 10.1460, 13.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1812, 11.4155, 18.5491 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(48, 102, 117)` looks like.

```
.text, #text, p{  
    color:rgb(48, 102, 117)  
}
```

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(48, 102, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 102, 117) }
```

Border

The CSS property to change the border of an element to XYZ 9.1812, 11.4155, 18.5491 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(48, 102, 117) }
```


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

```
.border{ border-color:rgb(48, 102, 117) }
```

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

Here you see how a box with a 4 pixel rgb(48, 102, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 102, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 102, 117);  
box-shadow:4px 4px 4px 4px rgb(48, 102,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1812, 11.4155, 18.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 102, 117) }
```

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

```
.background{ background-color: rgb(48, 102,  
117) }
```

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