

Converting Colors

XYZ(18.4308, 14.5417, 34.3111)

Have a look what the booklet for
XYZ(18.4308, 14.5417, 34.3111)
contains.

XYZ(18.3981, 14.5824, 34.1928)	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(18.3981, 14.5824,
34.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5D9E
RGB	124, 93, 158
RGB Percent	49%, 36%, 62%
CMY	0.5137, 0.6353, 0.3804
CMYK	0.22, 0.41, 0.00, 0.38
HSL	269°, 26%, 49%
HSV	269°, 41%, 62%
XYZ	18.3981, 14.5824, 34.1928
YIQ	109.6790, -2.3890, 26.7870

Conversions

Conversions Part 2

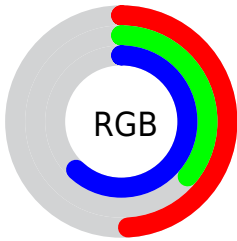
Format	Color
R_{YB}	124, 93, 158
Decimal	8150430
CIE _{Lab}	45.06, 26.06, -30.67
CIE _{LCh}	45, 40.246, 310.349
Yxy	14.5824, 0.2739, 0.2171
Android (android.graphics.Color)	4286340510 (0xFF7C5D9E)
YUV	109.6790, 23.8223, 12.5595
Hunter-Lab	38.1869, 19.1726, -26.3578

Details

The XYZ color **18.3981, 14.5824, 34.1928** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.9554, 29.7564, 14.8902**, and the grayscale version is **14.6641, 15.4278, 16.8009**.

A 20% lighter version of the original color is **40.3436, 34.2156, 67.4287**, and **6.3262, 4.4111, 14.1537** is the 20% darker color. If you saturate the color by 10%, you get **16.0073, 11.4998, 33.7241**, and if you desaturate by 10%, it is **21.1766, 18.2909, 34.7624**.

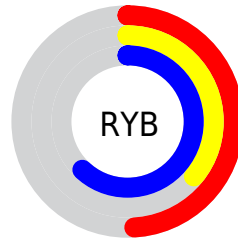
Distribution



Red (49%)

Green (36%)

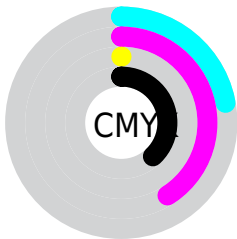
Blue (62%)



Red (49%)

Yellow (36%)

Blue (62%)

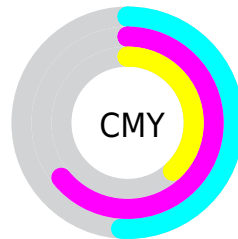


Cyan (22%)

Magenta (41%)

Yellow (0%)

Black (38%)



Cyan (51%)

Magenta (64%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3981, 14.5824, 34.1928 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 18.3981, 14.5824, 34.1928 by changing the saturation by 10% instead.

■ 18.3981, 14.5824,
34.1928

■ 18.3981, 14.5824,
34.1928

236.1079,
220.8245, 335.7862

■ 11.3376, 8.5268,
22.7632

■ 40.2393, 34.1189,
67.3707

■ 6.3633, 4.4339,
14.2151

■ 55.7507, 48.3686,
89.9561

■ 3.1100, 1.9191,
8.1300

■ 74.8098, 66.1185,
117.0971

■ 1.2122, 0.5598,
4.0893

■ 97.7819, 87.7530,
149.2124

■ 0.1160, 0.0000,
1.6744

125.0324,
113.6564, 186.7204

■ 0.0000, 0.0000,
0.3431

156.9267,

■ 0.0000, 0.0000,

144.2132, 230.0396

0.0000

193.8301,
179.8078, 279.5888

■ 18.3981, 14.5824,
34.1928

■ 18.3981, 14.5824,
34.1928

■ 16.0073, 11.4998,
33.7241

■ 21.1766, 18.2909,
34.7624

■ 13.9823, 9.0044,
33.3491

■ 24.3599, 22.6571,
35.4374

■ 12.3015, 7.0561,
33.0616

■ 27.9658, 27.7130,
36.2232

■ 10.9397, 5.6085,
32.8540

■ 32.0105, 33.4878,
37.1247

■ 9.8677, 4.6072,
32.7172

■ 36.5093, 40.0089,
38.1463

■ 9.1011, 3.9789,
32.6364

■ 41.4769, 47.3024,
39.2923

■ 46.9271, 55.3931,
40.5667

■ 52.8732, 64.3046,
41.9734

■ 59.3279, 74.0595,
43.5160

Harmonies

Analogous

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



15.0341, 14.5824, 41.3743



18.3981, 14.5824, 34.1928



20.7523, 14.5824, 22.8228

Triad

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



18.3981, 14.5824, 34.1928



16.1103, 14.5824, 4.1614



8.4987, 14.5824, 19.3792

Complementary

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



18.3981, 14.5824, 34.1928



22.9554, 29.7564, 14.8902

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.



8.6928, 14.5824, 10.5074



18.3981, 14.5824, 34.1928



12.7489, 14.5824, 3.8561

Square

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



18.3981, 14.5824, 34.1928



19.2929, 14.5824, 6.7649



10.1374, 14.5824, 5.6501



9.5570, 14.5824, 30.8275

Rectangle

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



18.3981, 14.5824, 34.1928



21.2406, 14.5824, 15.7670



10.1374, 14.5824, 5.6501



8.4244, 14.5824, 15.9891

Sweetspot

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



18.3986, 14.5830, 34.1931



50.0290, 49.2568, 65.6142



18.3620, 20.1478, 35.2692



11.0940, 10.8439, 14.7520



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.



18.3986, 14.5830, 34.1931



29.5462, 21.4875, 61.3337



23.7644, 17.3491, 34.4442



6.5706, 6.5826, 8.3309



7.3340, 3.2098, 26.1403



0.1797, 0.0824, 0.4697

Inverse Universe

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



21.8461, 16.6306, 22.1377



36.8886, 25.8516, 35.5200



18.9397, 27.6863, 14.7022



6.7707, 6.7012, 7.6436



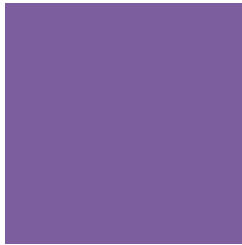
12.5527, 6.3256, 7.1613



0.2458, 0.1216, 0.2403

Previews

White Background



This preview shows how the XYZ color 18.3981, 14.5824, 34.1928 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 18.3981, 14.5824, 34.1928 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 18.3981, 14.5824, 34.1928

Background



This preview shows how black text looks on a background with the XYZ color 18.3981, 14.5824, 34.1928.



This preview shows how white text looks on a background with the XYZ color 18.3981, 14.5824,

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

18.3981, 14.5824, 34.1928

Protanopia

15.6867, 14.7693, 39.0698

Deuteranopia

15.0009, 14.7009, 33.0573



Tritanopia

14.9219, 14.5612, 17.0630

Trichromacy



Original Color

18.3981, 14.5824, 34.1928

Protanomaly

16.3915, 14.5844, 37.0731

Deuteranomaly

15.9100, 14.4170, 33.3967

Tritanomaly

15.9659, 14.4041, 22.3609

Monochromacy



Original Color

18.3981, 14.5824, 34.1928

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.8513, 15.0778, 22.1535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3981, 14.5824, 34.1928 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(124, 93, 158)` looks like.

```
.text, #text, p{  
    color:rgb(124, 93, 158)  
}
```

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(124, 93, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 93, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.3981, 14.5824, 34.1928 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(124, 93, 158) }
```


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

```
.border{ border-color:rgb(124, 93, 158) }
```

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

Here you see how a box with a 4 pixel rgb(124, 93, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 93, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 93, 158);  
box-shadow:4px 4px 4px 4px rgb(124, 93,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3981, 14.5824, 34.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 93, 158) }
```

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

```
.background{ background-color: rgb(124, 93,  
158) }
```

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