

Converting Colors

XYZ(13.3547, 9.0238, 34.6737)

Have a look what the booklet for
XYZ(13.3547, 9.0238, 34.6737)
contains.

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Color

**XYZ(13.4182, 9.0663,
34.7610)**

Conversions

Conversions Part 1

Format	Color
Hex	6242A1
RGB	98, 66, 161
RGB Percent	38%, 26%, 63%
CMY	0.6157, 0.7412, 0.3686
CMYK	0.39, 0.59, 0.00, 0.37
HSL	260°, 42%, 45%
HSV	260°, 59%, 63%
XYZ	13.4182, 9.0663, 34.7610
YIQ	86.3980, -11.4230, 36.3290

Conversions

Conversions Part 2

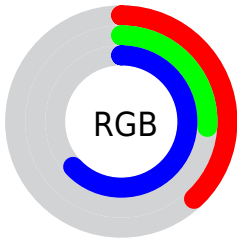
Format	Color
R_{YB}	98, 66, 161
Decimal	6439585
CIE _{Lab}	36.11, 35.73, -46.84
CIE _{LCh}	36, 58.915, 307.334
Yxy	9.0663, 0.2344, 0.1584
Android (android.graphics.Color)	4284629665 (0xFF6242A1)
YUV	86.3980, 36.7788, 10.1750
Hunter-Lab	30.1103, 26.8528, -47.3705

Details

The XYZ color **13.4182, 9.0663, 34.7610** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **22.7816, 30.5504, 9.8506**, and the grayscale version is **8.8562, 9.3174, 10.1467**.

A 20% lighter version of the original color is **31.4743, 23.8947, 67.9190**, and **4.0492, 2.1399, 14.6676** is the 20% darker color. If you saturate the color by 10%, you get **11.5304, 6.8879, 34.4402**, and if you desaturate by 10%, it is **15.7253, 11.8540, 35.1777**.

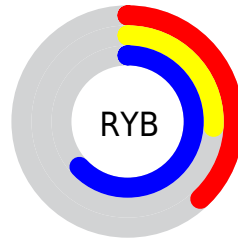
Distribution



Red (38%)

Green (26%)

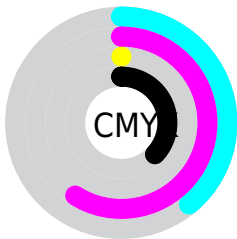
Blue (63%)



Red (38%)

Yellow (26%)

Blue (63%)

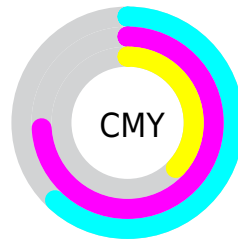


Cyan (39%)

Magenta (59%)

Yellow (0%)

Black (37%)



Cyan (62%)

Magenta (74%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4182, 9.0663, 34.7610 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 13.4182, 9.0663, 34.7610 by changing the saturation by 10% instead.

■ 13.4182, 9.0663,
34.7610

■ 13.4182, 9.0663,
34.7610

207.1646,
183.8717, 338.3843

■ 7.7961, 4.7845,
23.1968

■ 31.6480, 24.0238,
68.2627

■ 4.0155, 2.1214,
14.5322

■ 44.9865, 35.4683,
91.0373

■ 1.7109, 0.6766,
8.3488

■ 61.6278, 50.0691,
118.3857

■ 0.4631, 0.0000,
4.2280

■ 81.9374, 68.2106,
150.7265

■ 0.0000, 0.0000,
1.7512

■ 106.2805, 90.2772,
188.4782

■ 0.0000, 0.0000,
0.3955

■ 135.0225,

■ 0.0000, 0.0000,

116.6533, 232.0594

0.0000

168.5287,
147.7234, 281.8885

■ 13.4182, 9.0663,
34.7610

■ 13.4182, 9.0663,
34.7610

■ 11.5304, 6.8879,
34.4402

■ 15.7253, 11.8540,
35.1777

■ 10.0317, 5.2692,
34.2068

■ 18.4763, 15.2935,
35.6966

■ 8.8895, 4.1535,
34.0516

■ 21.6953, 19.4244,
36.3242

■ 8.0422, 3.4286,
33.9563

■ 25.4043, 24.2828,
37.0665

■ 7.9670, 3.3640,
33.9478

■ 29.6236, 29.9023,
37.9288

■ 34.3726, 36.3143,
38.9162

■ 39.6694, 43.5485,
40.0333

■ 45.5312, 51.6330,
41.2848

■ 51.9748, 60.5945,
42.6750

Harmonies

Analogous

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



9.5121, 9.0663, 44.3730



13.4182, 9.0663, 34.7610



16.5107, 9.0663, 19.4050

Triad

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



13.4182, 9.0663, 34.7610



11.5032, 9.0663, 0.5521



3.4899, 9.0663, 12.5639

Complementary

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



13.4182, 9.0663, 34.7610



22.7816, 30.5504, 9.8506

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.



3.7525, 9.0663, 4.1201



13.4182, 9.0663, 34.7610



7.7803, 9.0663, 0.2677

Square

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



13.4182, 9.0663, 34.7610



15.2110, 9.0663, 2.1572



5.1245, 9.0663, 1.0824



4.2721, 9.0663, 26.9527

Rectangle

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



13.4182, 9.0663, 34.7610



17.3201, 9.0663, 10.8027



5.1245, 9.0663, 1.0824



3.4636, 9.0663, 8.9958

Sweetspot

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



13.4186, 9.0666, 34.7612



45.9722, 44.1168, 66.4789



16.5743, 19.5202, 36.6127



9.6585, 9.1160, 14.4942



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.



13.4186, 9.0666, 34.7612



19.6820, 11.2642, 61.5234



20.0879, 12.5048, 35.0733



6.9149, 6.9705, 8.8841



6.4027, 2.7072, 27.1149



0.1832, 0.0820, 0.5720

Inverse Universe

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



20.6088, 13.0587, 22.2031



34.2382, 19.3753, 34.7772



17.1937, 27.6697, 9.5891



7.2624, 7.1614, 8.3683



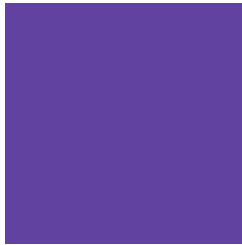
13.8681, 6.9033, 11.7618



0.3120, 0.1533, 0.3558

Previews

White Background



This preview shows how the XYZ color 13.4182, 9.0663, 34.7610 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 13.4182, 9.0663, 34.7610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

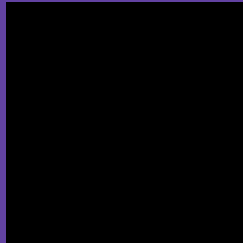
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4182, 9.0663, 34.7610

Background



This preview shows how black text looks on a background with the XYZ color 13.4182, 9.0663, 34.7610.



This preview shows how white text looks on a background with the XYZ color 13.4182, 9.0663,

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

13.4182, 9.0663, 34.7610

Protanopia

10.6573, 9.0906, 41.2374

Deuteranopia

9.1580, 9.1163, 31.4139



Tritanopia

8.7475, 9.1087, 11.4223

Trichromacy



Original Color

13.4182, 9.0663, 34.7610

Protanomaly

10.4734, 8.4085, 38.6071

Deuteranomaly

9.5243, 8.3673, 32.5656

Tritanomaly

9.9598, 8.8078, 18.0048

Monochromacy



Original Color

13.4182, 9.0663, 34.7610

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.9931, 8.9579, 16.8251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4182, 9.0663, 34.7610 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(98, 66, 161)` looks like.

```
.text, #text, p{  
    color:rgb(98, 66, 161)  
}
```

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(98, 66, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 66, 161) }
```

Border

The CSS property to change the border of an element to XYZ 13.4182, 9.0663, 34.7610 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(98, 66, 161) }
```


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

```
.border{ border-color:rgb(98, 66, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 66, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 66, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 66, 161);  
box-shadow:4px 4px 4px 4px rgb(98, 66,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4182, 9.0663, 34.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 66, 161) }
```

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

```
.background{ background-color: rgb(98, 66,  
161) }
```

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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